MARCH 2025

Section No.

TOTAL SHEETS = 42

ORDER OF SHEETS

Typical Sections and Details

Estimate of Quantities

Plan and Profile

PROJECT LOCATION

DESIGN DESIGNATION 5377-00-00

CONVENTIONAL SYMBOLS

2025 = 220

2045 = 252 = 33

= 62/38

= 7.7%

= 30 MPH

AADT

A.A.D.T.

DESIGN SPEED

CORPORATE LIMITS

LIMITED HIGHWAY EASEMENT

PROPOSED OR NEW R/W LINE

EXISTING RIGHT OF WAY

SLOPE INTERCEPT

REFERENCE LINE

EXISTING CULVERT

PROPOSED CULVERT (Box or Pipe)

COMBUSTIBLE FLUIDS

WOODED OR SHRUB AREA

MARSH AREA

PROPERTY LINE

LOTLINE

D.H.V.

D.D.

Miscellaneous Quantities

Standard Detail Drawings

Computer Earthwork Data

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

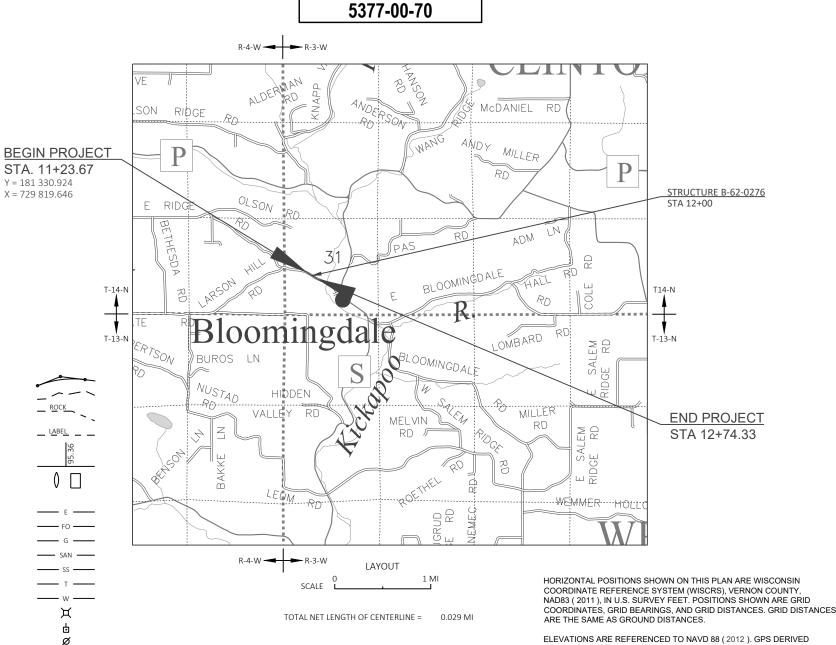
PLAN OF PROPOSED IMPROVEMENT

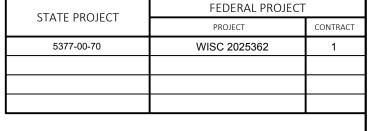
T CLINTON, BLOOMINGDALE ROAD

BR W FORK KICKAPOO RV BR B-62-0276

LOC STR **VERNON COUNTY**

STATE PROJECT NUMBER





ACCEPTED FOR

VERNON COUNTY

Phil Hewitt Hwy Comm

ORIGINAL PLANS PREPARED BY

WESTBROOK

619 EAST HOXIE STREET P.O. BOX 429 SPRING GREEN, WISCONSIN 53588 PHONE (608) 588-7866 FAX (608) 588-7954

William. SCONS E-35695 RICHLAND CENTER,

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor Designer

WESTBROOK ASSOCIATED ENGINEERS, INC

Project Manage

Lorraine Betzel

Ε

ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 18.

GRADE LINE

ORIGINAL GROUND

SPECIAL DITCH

UTILITIES

FIBER OPTIC

SANITARY SEWER

STORM SEWER

UTILITY PEDESTAL

TELEPHONE POLE

POWER POLE

FLECTRIC

GRADE ELEVATION

CULVERT (Profile View)

MARSH OR ROCK PROFILE

(To be noted as such)

8/26/2024 1:41 PM

STANDARD ABBREVIATIONS

	STANDARE) ABBREVIATION	S
ABUT	ABUTMENT	L	LENGTH OF CURVE
AC	ACRE	LF	LINEAR FOOT
AGG	AGGREGATE	LC	LONG CHORD OF CURVE
AH	AHEAD	LS	LUMP SUM
_	ANGLE	MGAL	ONE THOUSAND GALLONS
AADT	ANNUAL AVERAGE DAILY TRAFFIC	MH	MANHOLE
AEW	APRON ENDWALL	ML OR M/L	MATCH LINE
ASPH	ASPHALTIC	NOM	NOMINAL
BK	BACK	NC	NORMAL CROWN
BC	BACK OF CURB	NB	NORTHBOUND
BAD	BASE AGGREGATE DENSE	NO	NUMBER
BL OR B/L	BASE LINE	OD	OUTSIDE DIAMETER
BM	BENCH MARK	PAVT	PAVEMENT
СВ	CATCH BASIN	PLE	PERMANENT LIMITED EASEMENT
CL OR C/L	CENTER LINE	PC	POINT OF CURVATURE
Δ	CENTRAL ANGLE OR DELTA	PI	POINT OF INTERSECTION
CE	COMMERCIAL ENTRANCE	PT	POINT OF TANGENCY
CONC	CONCRETE	PCC	PORTLAND CEMENT CONCRETE
CSW	CONCRETE SIDEWALK	I B	POUND
CONST	CONSTRUCTION	PSI	POUNDS PER SQUARE INCH
CP	CONTROL POINT	PF	PRIVATE ENTRANCE
CO	COUNTY	PROJ	PROJECT
CTH	COUNTY TRUCK HIGHWAY	PI	PROPERTY LINE
CY	CUBIC YARD	PRW	PROPOSED RIGHT OF WAY
CP	CULVERT PIPE	R	RADIUS
C & G	CURB AND GUTTER	RL OR R/L	REFERENCE LINE
D	DEGREE OF CURVE	REQD	REQUIRED
DHV	DESIGN HOUR VOLUME	RT	RIGHT
DIA	DIAMETER	RHF	RIGHT HAND FORWARD
DD	DIRECTIONAL DISTRIBUTION	R/W	RIGHT OF WAY
DE	DRAINAGE EASEMENT	RD	ROAD
DWY	DRIVEWAY	RDWY	ROADWAY
EA	FACH	SHLDR	SHOULDER
EB	EASTBOUND	SW	SIDEWALK
EL OR ELEV	ELEVATION	SB	SOUTHBOUND
EMB	EMBANKMENT	SPECS	SPECIFICATIONS
EW	ENDWALL	SF	SQUARE FEET
FAT	ENERGY ABSORBING TERMINAL	SY	SQUARE YARD
FSALS	EQUIVALENT SINGLE AXLE LOADS	SDD	STANDARD DETAIL DRAWINGS
FXC.	EXCAVATION	STH	STATE TRUNK HIGHWAY
EBS	EXCAVATION EXCAVATION BELOW SUBGRADE	STA	STATION
EXIST	EXISTING	SE	SUPERELEVATION
FFRT	FERTILIZER	SL OR S/L	SURVEYTINE
FE	FIELD ENTRANCE	TEMP	TEMPORARY
FL OR F/L	FLOW LINE	TI	TEMPORARY INTEREST
FT	FOOT	TLE	TEMPORARY INTEREST
FTMS	FREE TRAFFIC MANAGEMENT SYSTEM		TOP OF CURB
HES		TC TL OR T/L	
	HIGH EARLY STRENGTH		TRANSIT LINE TRUCKS (PERCENT OF)
HE	HIGHWAY EASEMENT	T	
CWT	HUNDRED WEIGHT	TYP	TYPICAL
IN DIA	INCH DIAMETER	USH	UNITED STATES HIGHWAY
INL	INLET	VAR	VARIABLE
ID	INSIDE DIAMETER	VC	VERTICAL CURVE
INTERS	INTERSECTION	VPC	VERTICAL POINT OF CURVATURE
IH	INTERSTATE HIGHWAY	VPI	VERTICAL POINT OF INTERSECTION
INV	INVERT	VPT	VERTICAL POINT OF TANGENCY
JT	JOINT	W	WEST
LT	LEFT	WB	WESTBOUND
LHF	LEFT HAND FORWARD		

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES TYPICAL SECTIONS ALIGNMENT DETAILS AND CONTROL POINTS PERMANENT SIGNING

5377-00-70

PROJECT NO:

WISCONSIN DNR LIAISON

KAREN KALVELAGE DNR SERVICE CENTER 3550 MORMON COULEE RD LA CROSSE, WI 54601 PHONE: (608) 406-7880 EMAIL: KAREN.KALVELAGE@WISCONSIN.GOV

DESIGN CONSULTANT

AARON PALMER P.F. WESTBROOK ASSOCIATED ENGINEERS, INC. 619 E HOXIE ST SPRING GREEN, WI 53588 PHONE: (608) 588-7866 EMAIL: APALMER@WESTBROOKENG.COM

DESIGN PROJECT MANAGER

LORRAINE BETZEL, P.E. SW REGION 2101 WRIGHT ST MADISON, WI 53704 PHONE: (608) 246-3279 EMAIL: LORRAINE.BETZEL@DOT.WI.GOV

COUNTY HIGHWAY COMMISSIONER

PHII HEWITT VERNON COUNTY 1335 RAILROAD AVE VIROQUA, WI 54665 PHONE: (608) 637-5452 EMAIL: PHIL.HEWITT@VERNONCOUNTY.ORG

UTILITIES CONTACTS

VERNON COMMUNICATIONS COOPERATIVE COMMUNICATIONS SCOTT FREDERICK 103 N MAIN ST WESTBY, WI 54667 PHONE: (608) 634-7434 EMAIL: SFREDERICK@VERNONCOM.COOP

GENERAL NOTES

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY OPERATIONS, OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS.

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LBS/SY/IN.

APPLY TACK COAT BETWEEN LAYERS OF HMA PAVEMENT AT A RATE OF 0.05 GAL/SY.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

RIGHT OF WAY INFORMATION SHOWN ON THE PLANS IS APPROXIMATE.

THE CONTRACTOR IS TO WORK WITH UTMOST CARE AND PROTECT ALL SURVEY MARKERS. REMOVAL OF ANY SURVEY MARKER IS TO BE WITH THE APPROVAL OF THE ENGINEER.

WHEN THE QUANTITY OF THE ITEMS OF BASE AGGREGATE, SUBBASE OR HMA PAVEMENT IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE LAYERS SHOWN ON THE PLAN IS APPROXIMATE, AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL PREPARE AN EROSION CONTROL IMPLEMENTATION PLAN (ECIP) AND SUBMIT THE PLAN TO WISDOT AND WDNR FOR REVIEW AT LEAST 14 DAYS PRIOR TO THE PRECONSTRUCTION CONFERENCE.

EROSION CONTROL FEATURES, AS SHOWN IN THE PLANS, ARE AT APPROXIMATE LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S ECIP AND APPROVED BY THE ENGINEER. MAINTAIN EROSION CONTROL MEASURES UNTIL SUCH A TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

APPLY SEED, MULCH, AND FERTILIZER TO ALL DISTURBED AREAS WITHIN 7 WORKING DAYS AFTER GRADING WORK IS COMPLETED.

REMOVAL OF ASPHALTIC SURFACES WHERE AN ABUTTING ASPHALTIC SURFACE IS TO REMAIN IN PLACE SHALL REQUIRE A SAWCUT MEETING THE APPROVAL OF THE ENGINEER IN THE FIELD.

SAWCUTS, AS SHOWN ON THE PLANS, ARE SUGGESTED LOCATIONS AND MAY BE ADJUSTED AT THE DISCRETION OF THE ENGINEER TO BETTER SUIT FIELD CONDITIONS.

THE PROPOSED SHOULDER WIDTH SHOWN IN THE TYPICAL SECTIONS IS MINIMUM WIDTH. PERPETUATE EXISTING SHOULDERS THAT ARE WIDER THAN WHAT IS SHOWN IN THE TYPICAL SECTIONS.

THE CONTRACTOR'S PAVING OPERATION SHALL BE CONSISTENT WITH THE TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, PASSING, OR PARKING LANE

THE 4-INCH ASPHALTIC SURFACE SHALL BE CONSTRUCTED USING ONE (1) 2.25-INCH LOWER LAYER AND ONE (1) 1.75-INCH UPPER LAYER. THE PREFERRED LOWER LAYER IS 2.25-INCHES OF 3 LT 58-28 S. THE PREFERRED UPPER LAYER IS 1.75-INCHES OF 4 LT 58-28 S.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER

DO NOT DRIVE OR STORE EQUIPMENT, OR STORE CONSTRUCTION MATERIALS IN ENVIRONMENTALLY SENSITIVE AREAS, WETLANDS

Dial or (800)242-8511 www.DiggersHotline.com

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	А			В			С			D		
	SLOPE	RANGE	(PERCENT)	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
DOW CDODS:	.08	.16	.22	.12	.20	.27	.15	.24	.33	.19	.28	.38
ROW CROPS:	.22	.30	.38	.26	.34	.44	.30	.37	.50	.34	.41	.56
MEDIAN STRIPTURF:	.19	.20	.24	.19	.22	.26	.20	.23	.30	.20	.25	.30
IVIEDIAN STRIPTORF:	.24	.26	.30	.25	.28	.33	.26	.30	.37	.27	.32	.40
SIDE SLOPETURF:			.25			.27			.28			.30
SIDE SLOPETURF:			.32			.34			.36			.38
PAVEMENT:												
ASPHALT:						.70	95					
CONCRETE:						.80	95					
BRICK:						.70	80					
DRIVES, WALKS:						.75	85					
ROOFS:						.75	95					
GRAVEL ROADS, SHOULDERS: .4060												

TOTAL PROJECT AREA = 0.24 ACRES TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = <u>0.14</u> ACRES

COUNTY: VERNON

G:\00-PROJECT FILES\2023\23151 ID 5377-00-00 T OF CLINTON, BLOOMINGDALE RD BR W FORK KICKAPOO RIVER BRIDGE\0-CAD\SHEETS\020101 GN.DWG FILE NAME : LAYOUT NAME - 020101_gn

PLOT DATE:

1/7/2025 2:07 PM

PLOT BY:

GENERAL NOTES

PLOT NAME

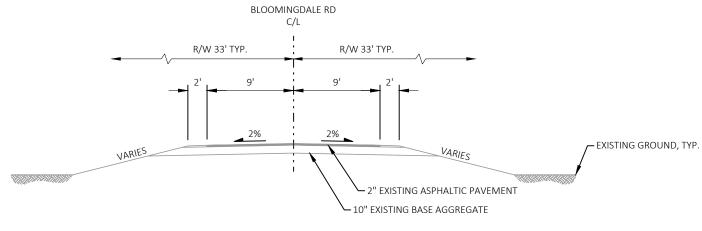
PLOT SCALE:

SHEET

HWY: BLOOMINGDALE RD

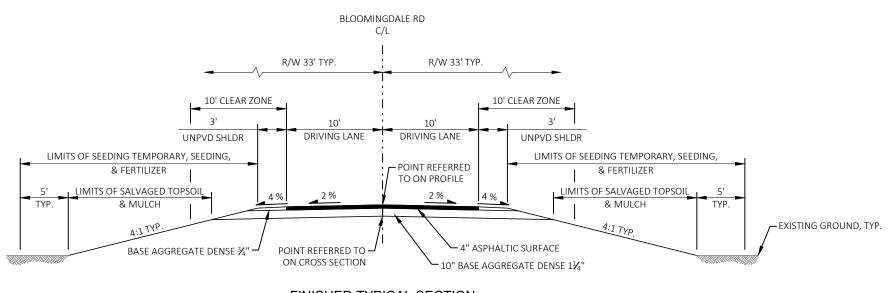






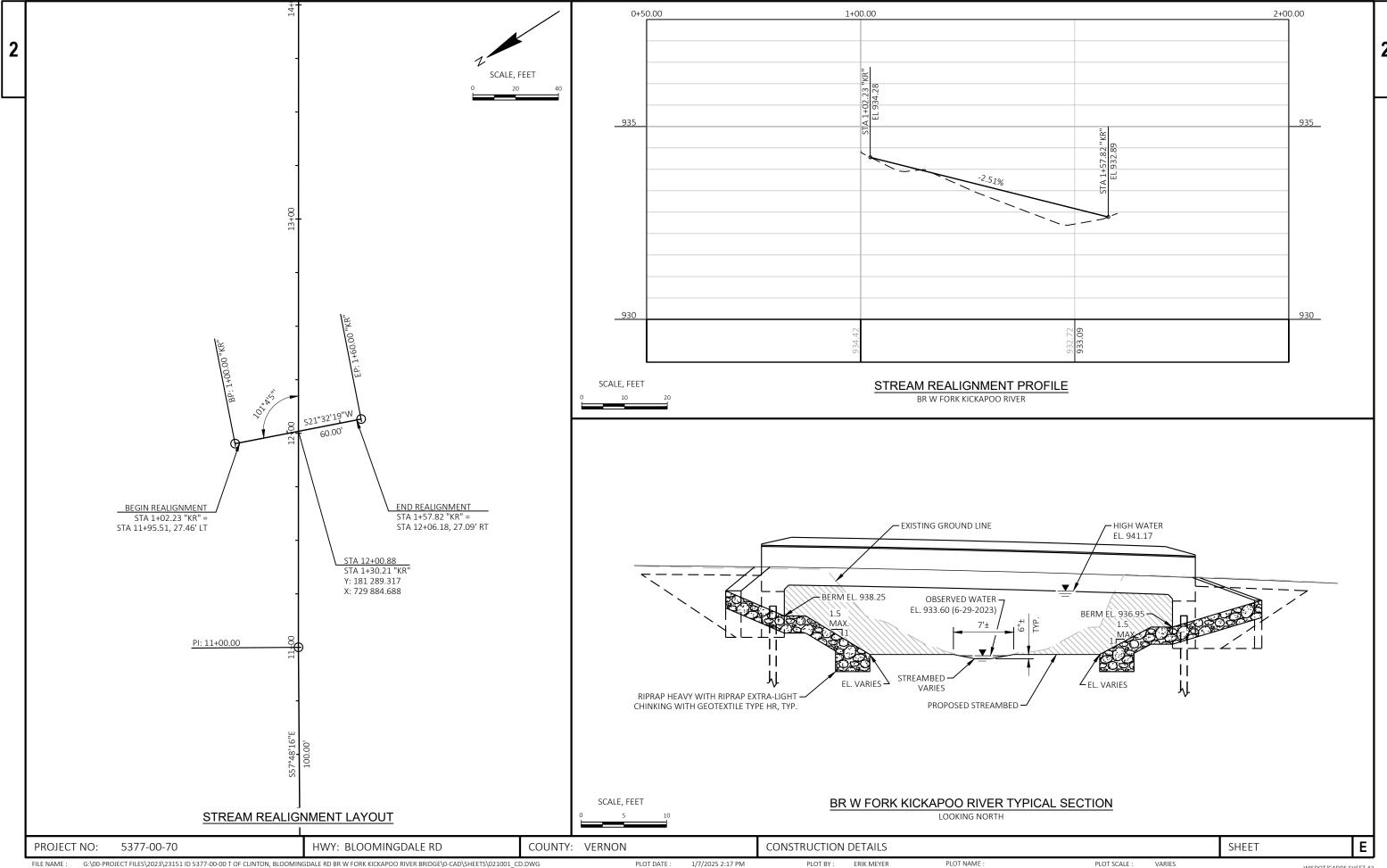
EXISTING TYPICAL SECTION

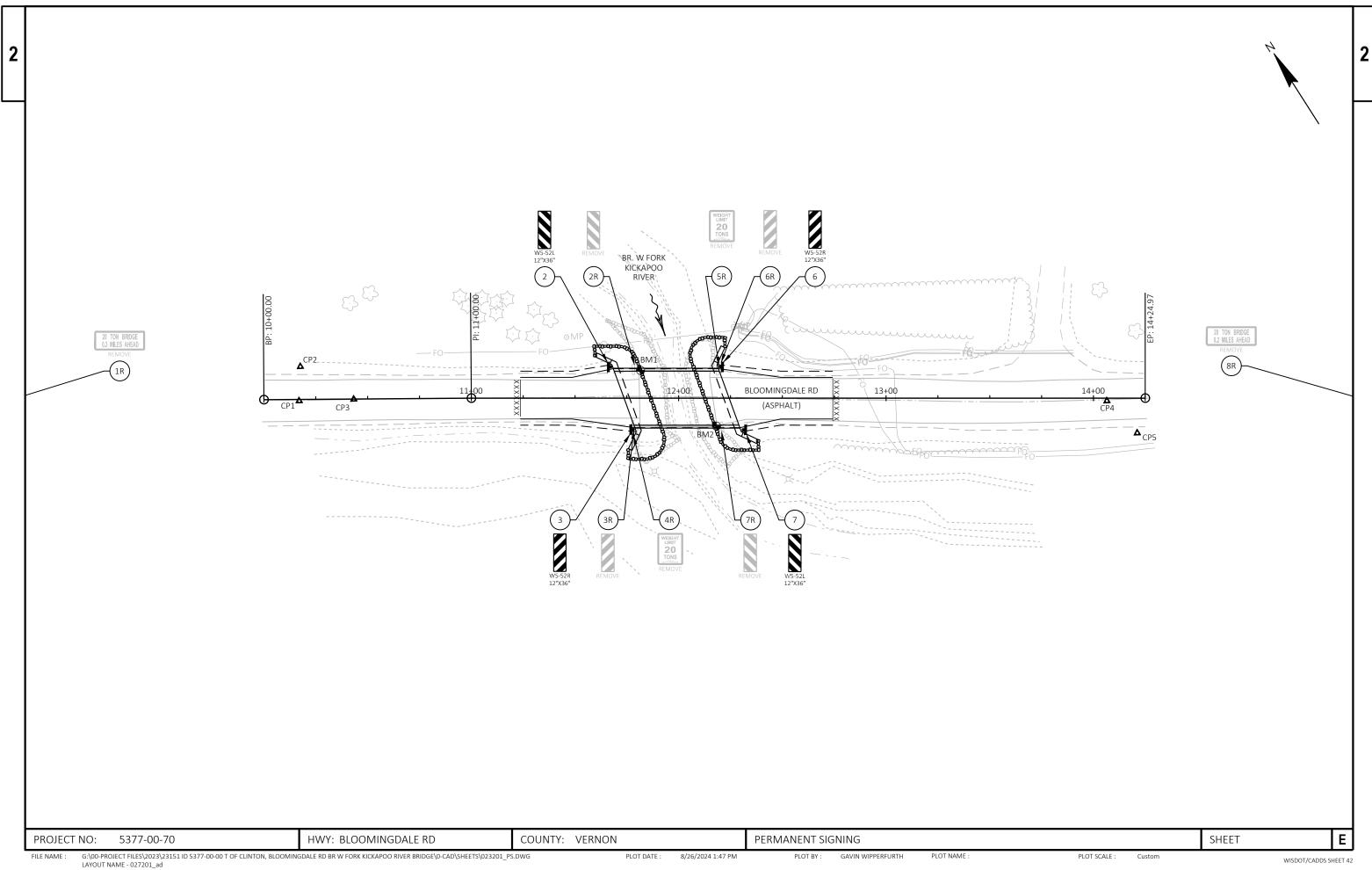


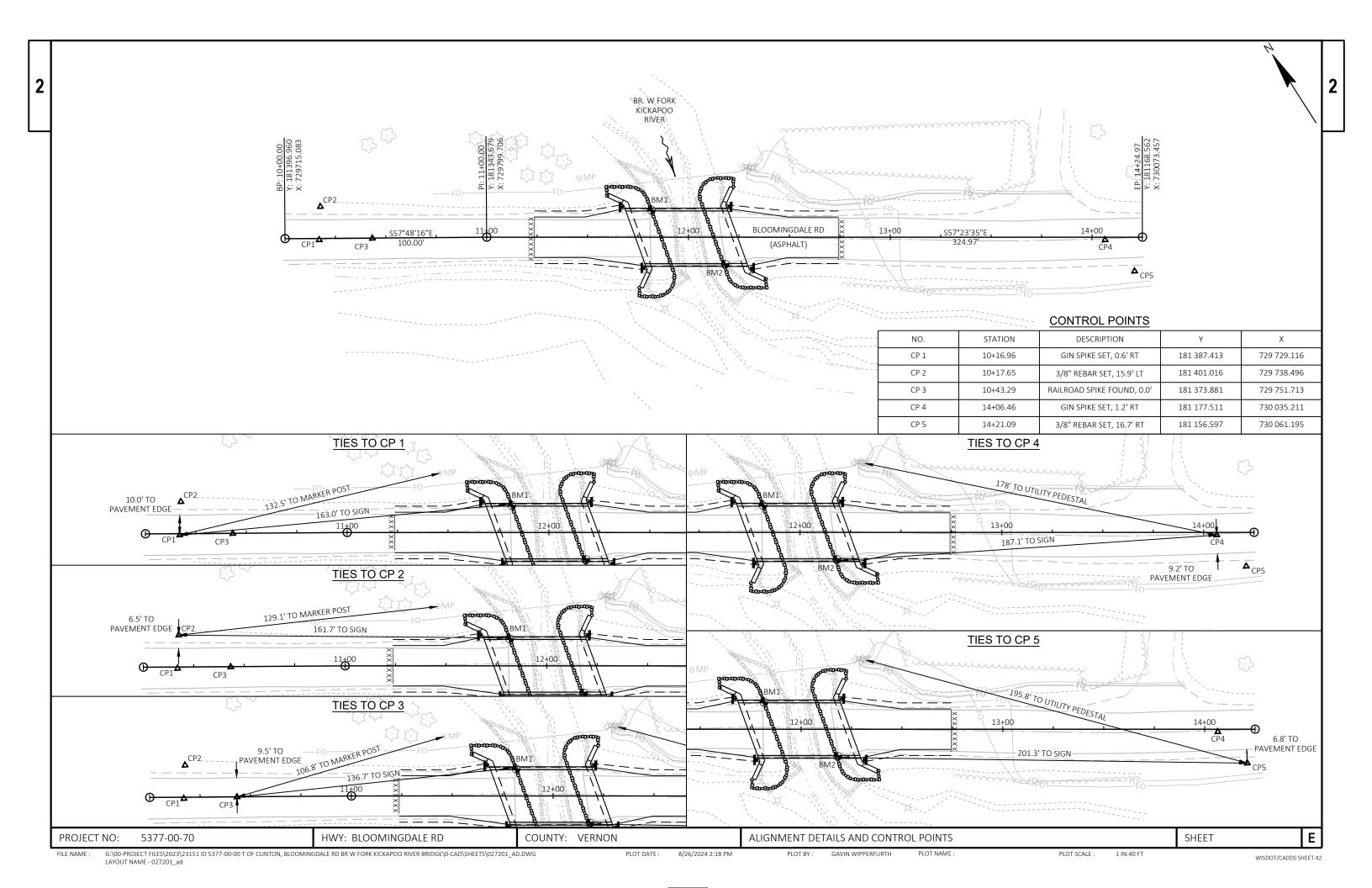


FINISHED TYPICAL SECTION

STA 11+23.67 - 12+74.33







3

53//-00-/0	5377-00-70
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					5577-00-70
Line	Item	Item Description	Unit	Total	Qty
0002	201.0110	Clearing	SY	4.000	4.000
0004	201.0210	Grubbing	SY	4.000	4.000
0006	203.0260	Removing Structure Over Waterway Minimal Debris (structure) 01. P-62-167	EACH	1.000	1.000
0008	205.0100	Excavation Common	CY	107.000	107.000
0010	206.1001	Excavation for Structures Bridges (structure) 01. B-62-0276	EACH	1.000	1.000
0012	210.1500	Backfill Structure Type A	TON	320.000	320.000
0014	213.0100	Finishing Roadway (project) 01. 5377-00-70	EACH	1.000	1.000
0016	305.0110	Base Aggregate Dense 3/4-Inch	TON	18.000	18.000
0018	305.0110	Base Aggregate Dense 1 1/4-Inch	TON	220.000	220.000
0020	455.0605	Tack Coat	GAL	18.000	18.000
0022	465.0105	Asphaltic Surface	TON	56.000	56.000
0024	502.0100	Concrete Masonry Bridges	CY	187.000	187.000
0026	502.3200	Protective Surface Treatment	SY	147.000	147.000
0028	502.3210	Pigmented Surface Sealer	SY	50.000	50.000
0030	505.0400	Bar Steel Reinforcement HS Structures	LB	4,650.000	4,650.000
0032	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	30,030.000	30,030.000
0034	516.0500	Rubberized Membrane Waterproofing	SY	14.000	14.000
0036	550.1100	Piling Steel HP 10-Inch X 42 Lb	LF	490.000	490.000
0038	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	160.000	160.000
0040	618.0100	Maintenance and Repair of Haul Roads (project) 01. 5377-00-70	EACH	1.000	1.000
0042	619.1000	Mobilization	EACH	1.000	1.000
0044	624.0100	Water	MGAL	2.400	2.400
0046	625.0500	Salvaged Topsoil	SY	55.000	55.000
0048	627.0200	Mulching	SY	55.000	55.000
0050	628.1504	Silt Fence	LF	250.000	250.000
0052	628.1520	Silt Fence Maintenance	LF	410.000	410.000
0054	628.1905	Mobilizations Erosion Control	EACH	4.000	4.000
0054	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000
	628.6005				
0058		Turbidity Barriers	SY	140.000	140.000
0060	629.0210	Fertilizer Type B	CWT	0.250	0.250
0062	630.0130	Seeding Mixture No. 30	LB	9.000	9.000
0064	630.0200	Seeding Temporary	LB	10.000	10.000
0066	630.0500	Seed Water	MGAL	7.400	7.400
0068	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	4.000	4.000
0070	637.2230	Signs Type II Reflective F	SF	12.000	12.000
0072	638.2602	Removing Signs Type II	EACH	8.000	8.000
0074	638.3000	Removing Small Sign Supports	EACH	8.000	8.000
0076	642.5001	Field Office Type B	EACH	1.000	1.000
0078	643.0420	Traffic Control Barricades Type III	DAY	1,725.000	1,725.000
0800	643.0705	Traffic Control Warning Lights Type A	DAY	3,450.000	3,450.000
0082	643.0900	Traffic Control Signs	DAY	1,350.000	1,350.000
0084	643.5000	Traffic Control	EACH	1.000	1.000
0086	645.0111	Geotextile Type DF Schedule A	SY	62.000	62.000
8800	645.0120	Geotextile Type HR	SY	204.000	204.000
0090	650.4500	Construction Staking Subgrade	LF	100.000	100.000
0092	650.5000	Construction Staking Base	LF	100.000	100.000
0094	650.6501	Construction Staking Structure Layout (structure) 01. B-62-0276	EACH	1.000	1.000
0096	650.9911	Construction Staking Supplemental Control (project) 01. 5377-00-70	EACH	1.000	1.000
0098	650.9920	Construction Staking Slope Stakes	LF	100.000	100.000

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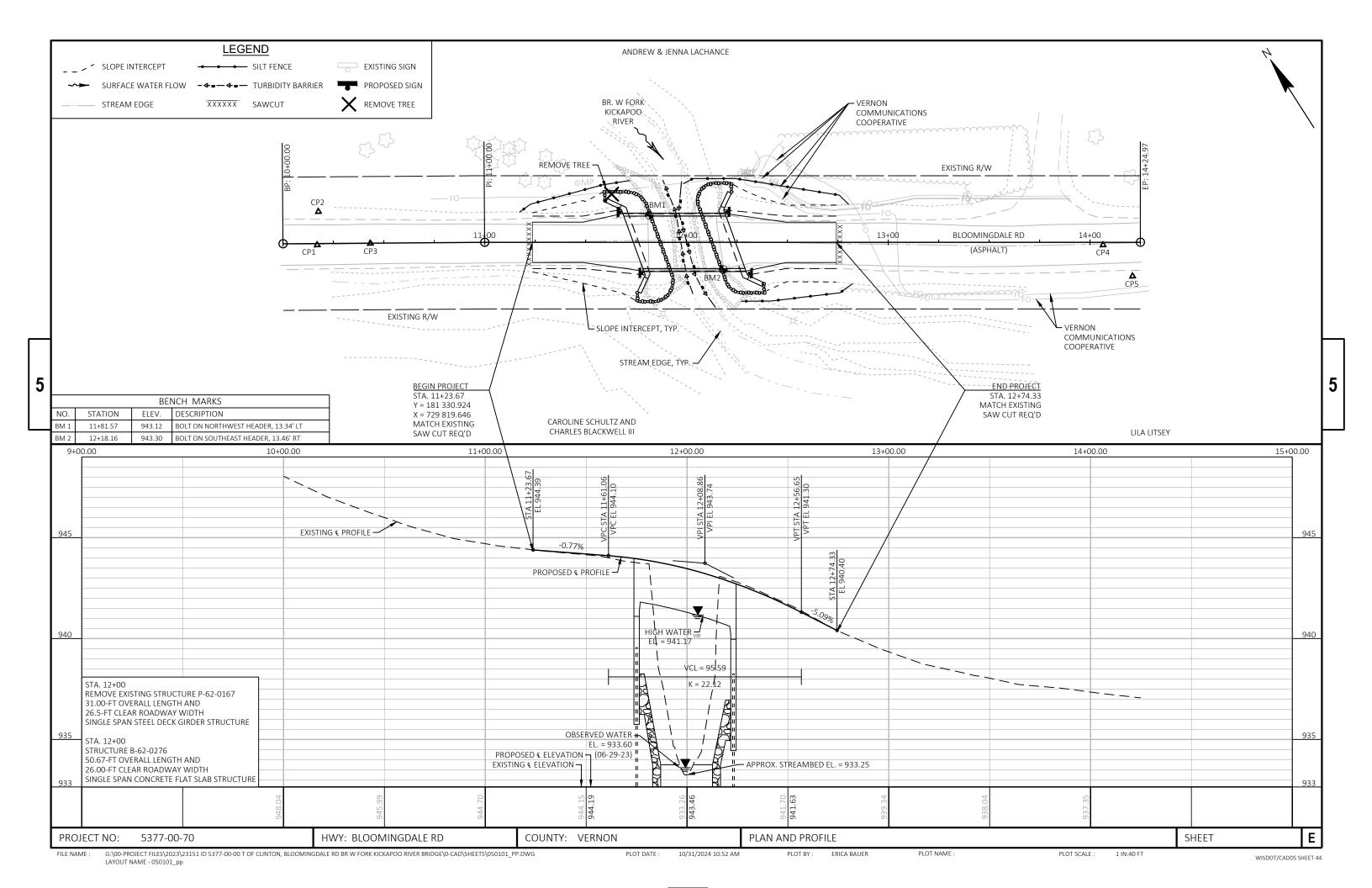
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5377-00-7
0011 00 1

Line	Item	Item Description	Unit	Total	Qty
0100	690.0150	Sawing Asphalt	LF	40.000	40.000
0102	715.0502	Incentive Strength Concrete Structures	DOL	1,122.000	1,122.000
0104	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	1,200.000	1,200.000
0106	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	600.000	600.000
0108	SPV.0035	Special 01. Riprap Heavy With Riprap Extra-Light Chinking	CY	125.000	125.000
0110	SPV.0060	Special 01. Stream Realignment Structure B-62-0276	EACH	1.000	1.000

Estimate Of Quantities

																BASE AGGREG	ATE DENSE		
Di	DIVISION IVISION 1	FROM/TO STATION	205.0100 EXCAVATION COMMON (1) CUT (2)	SALVAGED/UN	IUSABLE AVAILA ATERIAL MATER (4)	RIAL UNEXPAN		MASS OI	RDINATE +/- (6) WASTE	· ·	CLEARIN STATION LOCAT	CLEA	G 0110 201.0210 RING GRUBBING Y SY				DENSE	BASE AGGREGATE DENSE 1 1/4-INCH	624.0100 WATER
M Di	VEST APPROACH DIVISION 1 SUBTOT IVISION 2 AST APPROACH	11+23.67/11+7 FAL 12+22.25/12+7	44	5	39 39 58	6	8 8		32 32 32 32 57 57		11+63 WEST APPR TOTA	· —	4 4 4	11+23.	ON TO STATION 67 - 11+73.67 33 - 12+74.33	LOCATION WEST APPROACH EAST APPROACH TOTAL	9 9 18	110 110 220	1.2 1.2 2.4
	DIVISION 2 SUBTOT		63	5	58	1	1		57 57							SILT FEI	NCE		
	GRAND TOTAL	(2) SALVAGED/U (3) SALVAGED/U (4) AVAILABLE M (5) EXPANDED FI (6) THE MASS OF MINUS INDICATE (7) FACTORS USE	RDINATE + OR - QTY C S A SHORTAGE OF M	MATERIAL IS INCI MATERIAL INCLU /AGED/UNUSUAB ALCULATED FOR T ATERIAL WITHIN T	LUDED IN CUT. DES EXISTING AS LE PAVEMENT M THE DIVISION. PL THE DIVISION.	IMBER 205.0100 SPHALT. IATERIAL US QUANTITY IN	IDICATES AN EXC	ESS OF MATER	88 88 RIAL WITHIN THE DIVISI NERAL INFORMATION		N TO STATION I		455.0605 465.0 ASPHA FACK COAT SURF GAL TO 9 28 9 28 18 56	ALTIC STAT ACE NN 11+ 11+ 12+ B 12+	TION TO STATION -17 - 11+72 -98 - 12+81 -27 - 12+81	N LOCATION WEST APPROACH EAST APPROACH UNDISTRIBUTI TOTAL	H, LT 85 H, RT 60	SILT F	ENCE NANCE F 20 70 20
-	STATION TO STATE 11+24 - 11+ 11+24 - 11+ 12+24 - 12+ 12+24 - 12+	-74 WEST APPRO -74 WEST APPRO -74 EAST APPRO	625.0500 SALVAGED TOPSOIL SY ACH, LT 7 ACH, RT 16 ACH, LT 13 ACH, RT 9 JTED 10		629.0210 FERTILIZER TYPE B CWT 0.04 0.05 0.05 0.04 0.07	630.0130 SEEDING MIXTURE NO. 3 LB 1 2 2 2 2 2 9	630.0200 SEEDING 0 TEMPORARY LB 2 2 2 2 2 2 2 2	630.0500 SEED WATER MGAL 1.3 1.7 1.6 1.3 1.5 7.4	MOBI LOCATION ID 5377-00-7 TOTAL	628.1905 MOBILIZATION EROSION CONTROL EACH 0 4 4	628.191 MOBILIZATIONS NS EMERGENCY EROSION	LOCAT WEST ABL EAST ABU UNDISTRI TOTA	TMENT 53 TMENT 60 BUTED 27	WEST APPROFEST OF THE PROJECT OF TOTAL	OACH 75 DACH 75 JTED 75 T	TRAFFIC CO 643.0420 TRAFFIC CONTROL BARRICADES N TYPE III NO. DAY 9 675 9 675 5 375 23 1,725 CCORDANCE WITH SD	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A NO. DAY 18 1,350 18 1,350 10 750 46 3,450 D 15C2 "BARRICA		FOR
				Ē		637.2230 SIGNS TYPE II	R REMOVING S	638.3000 EMOVING MALL SIGN						<u>CONSTR</u> 650.4500	UCTION STAKING 650.5000 CONSTRUCTION STAKING	650.6501.01 CONSTRUCTION STAKING STRUCTURE LAYOUT	650.9911.01 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL 01.		CTION
	11+67 W 11+78 W 11+79 W 11+79 W 11+79 E 12+17 E 12+17 E 12+17 E 12+20 E	LOCATION VEST APPROACH, LT VEST APPROACH, LT VEST APPROACH, RT VEST APPROACH, RT VEST APPROACH, RT VEST APPROACH, RT VEST APPROACH, LT VEST APPROACH, RT AST APPROACH, RT AST APPROACH, RT	1R 2 3 2R 3R 4R 5R 6 6R 7R	R12-55 W5-52L W5-52R W5-52R W5-52R R12-5 R12-5 W5-52R W5-52R W5-52L W5-52L	X 12-FT F EACH 1 1 1 1 1	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	REMARKS 20 TON BRIDGE .3 MIL BRIDGE HASH MA BRIDGE HASH MA BRIDGE HASH MA WEIGHT LIMIT 20 WEIGHT LIMIT 20 BRIDGE HASH MA	ARKS ARKS ARKS TON TON ARKS ARKS ARKS ARKS ARKS	11+23.67		LOCATION WEST APPROACH EAST APPROACH PROJECT TOTAL	SUBGRADE LF 50 50 100 SAWIN	BASE LF 50 50 100 NG ASPHALT	01. B-62-0276 EACH 1 1*	5377-00-70 EACH 1	50 50 50 100	
PF	E	AST APPROACH, RT TOTAL 5377-00-70	8R	R12-55	4 BLOOMINGDA	12 12	<u>1</u> 8	TOUNTY: \	20 TON BRIDGE .2 MIL		MISCELLANE	OUS QUANTI	TIES	12+74.33 EAST	APPROACH	19 21 40 ALL ITEM	S CATEGORY 001	O UNLESS NOTE	ED OTHERW



Standard Detail Drawing List

08E09-06	SILT FENCE
08E11-02	TURBIDITY BARRIER
12A03-10	NAME PLATE (STRUCTURES)
13C19-03	HMA LONGITUDINAL JOINTS
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15С02-09в	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C06-12	SIGNING & MARKING FOR TWO LANE BRIDGES

6

TYPICAL APPLICATION OF SILT FENCE

6

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PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

- \bigcirc HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- ② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- 3 WOOD POSTS SHALL BE A MINIMUM SIZE OF 11/8" X 11/8" OF OAK OR HICKORY.
- 4) SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- (5) CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



TRENCH DETAIL



SILT FENCE TIE BACK

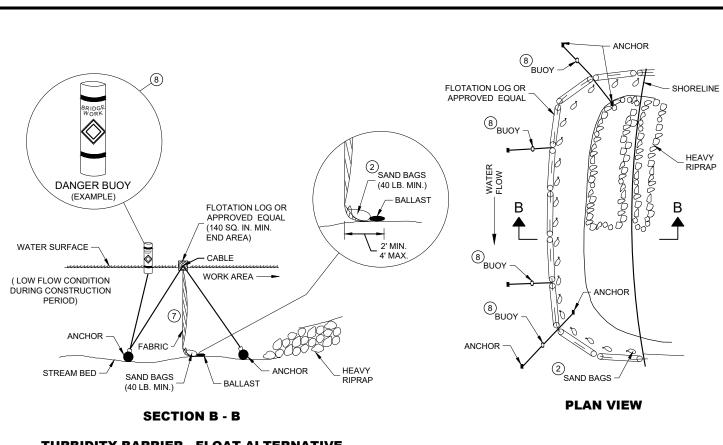
(WHEN REQUIRED BY THE ENGINEER)



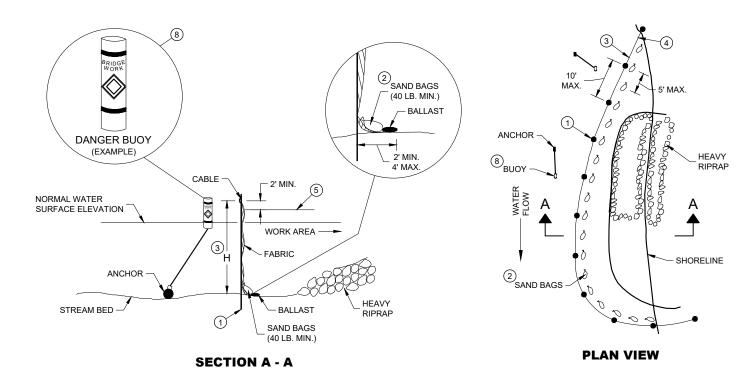
6

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D.D. 8 E 9-6



TURBIDITY BARRIER - FLOAT ALTERNATIVE CAUTION - SEE NOTE 6



TURBIDITY BARRIER - STANDARD POST INSTALLATION

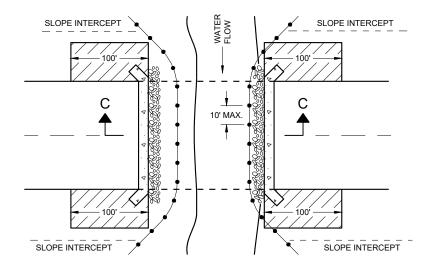
TURBIDITY BARRIER PLACEMENT DETAILS

GENERAL NOTES

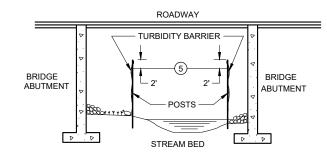
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TURBIDITY BARRIER MAY BE REMOVED AT THE ENGINEERS DISCRETION, WHEN PERMANENT EROSION CONTROL MEASURES HAVE BEEN ESTABLISHED.

- ① DRIVEN STEEL POSTS, PIPES, OR CHANNELS. LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT BARRIER AT HIGH
- (2) SAND BAGS TO BE USED AS ADDITIONAL BALLAST WHEN ORDERED BY THE ENGINEER TO MEET ADVERSE FIELD CONDITIONS. SPACE AS APPROPRIATE FOR SITE CONDITIONS.
- (3) WHEN BARRIER HEIGHT "H" EXCEEDS 8 FEET, POST SPACING MAY NEED TO BE DECREASED.
- (4) IN WATERWAYS SUBJECT TO FLUCTUATING WATER ELEVATIONS, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE BARRIER OPEN ON
- (5) ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION PERIOD. MINIMUM BARRIER HEIGHT SHALL BE 2' GREATER THAN EITHER THE Q2 ELEVATION OR THE ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION, WHICHEVER IS GREATER.
- (6) FLOAT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BEDROCK PREVENTS THE INSTALLATION OF POSTS.
- (7) ALLOW SUFFICIENT SLACK VERTICALLY AND HORIZONTALLY SO THAT SEDIMENT BUILD UP WILL NOT SEPARATE OR LOWER THE TURBIDITY BARRIER.
- (8) USE AS DIRECTED BY COAST GUARD OR DNR PERMIT WHEN WORKING IN NAVIGABLE WATERWAYS.



PLAN VIEW



SECTION C - C

TURBIDITY BARRIER DETAIL SHOWING TYPICAL PLACEMENT AT STRUCTURES

TURBIDITY BARRIER

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION ∞

APPROVED /S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT
ENGINEER 6/4/02 DATE





TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)



NUMBERING DESIGNATION MULTI-UNIT STRUCTURES

GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

- 1 EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SPREAD OPEN SO THE TOP OF LUG IS 11/4" WIDE

SECTION A-A

ALTERNATE LUG



ALTERNATE LUG

(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/26/IO /S/ Scot Becker

DATE CHIEF STRUCTURAL DEVELOPMENT ENGINEER

.D.D. 12 A

3-10







DETAIL D ROAD CLOSURE BARRICADE DETAIL APPROACH VIEW



DETAIL E LANE CLOSURE BARRICADE DETAIL **APPROACH VIEW**

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2. R11 - 3. M4 - 9. R11 - 4. AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

R11 - 2 SHALL BE 48" X 30"

R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"

M4 - 9 SHALL BE 30" X 24"

M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)

M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)

M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)

MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS) D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

R1 - 1 SHALL BE 36" X 36"

- TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT **SPACING**
- THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.
- (3) FOR ROAD CLOSURE <u>WITHOUT</u> LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".
- (4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".
- (5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.
- (6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS. PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE
- "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR **VARIOUS CLOSURES**

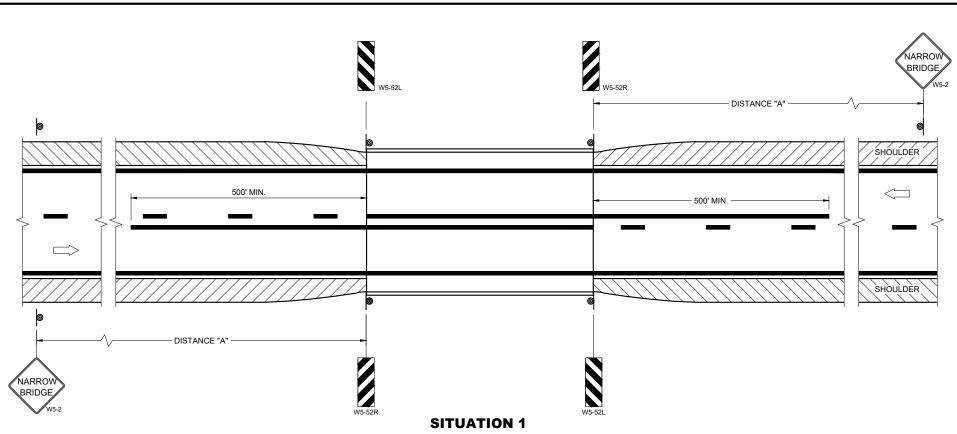
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2023 DATE WORK ZONE ENGINEER

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SDD 15C06-12



WARRANTING CRITERIA: BRIDGE WIDTH IS AT LEAST 16 FEET BUT LESS THAN 24 FEET.

OR SHOULDER SHOULDER WS-52R WS-52L

SITUATION 2

WARRANTING CRITERIA: 1. BRIDGE WIDTH IS AT LEAST 24 FEET <u>AND</u> 2. BRIDGE SHOULDER WIDTH IS LESS THAN 6 FEET

SDD

15C06-12

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THE DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

LOCATE W5-52 SIGN POST(S) BEHIND GUARDRAIL WHEN PRESENT.

PLACE THE EDGE OF THE W5-52 SIGN IN LINE WITH FACE OF CURB OR PARAPET.

ON BRIDGE ONLY PROJECTS, PLACE 300 FEET OF EDGELINE.

OMIT EDGELINES ON ROADWAYS WITHOUT EXISTING EDGELINES.

1) OMIT ON ONE-WAY TRAVELED WAYS.

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

DISTANCE TABLE

POSTED OR 85TH PERCENTILE SPEED	DISTANCE "A"
25	150'
30	200'
35	250'
40	300'
45	400'
50	550'
55	700'

SIGNING AND MARKING FOR TWO LANE BRIDGES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED	
May 2023	/S/ Jeannie Silver
DATE	Statewide Pavement Marking Engineer
FHWA	





RURAL AREA (See Note 2)



GENERAL NOTES

- 1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
- 2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.

The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (\pm) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (\pm) 3".

- 3. For expressways and freeways, mounting height is 7'- 3" (\pm) 3" or 6'-3" (\pm) 3" depending upon existence of a sub-sign.
- 4. Minimum mounting height for signs mounted on traffic signal poles is 5' 3'' ($\frac{+}{-}$) 3''.
- 5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 6. Folding signs shall be mounted at a height of 5'-3'' (\pm) 3'' or as directd by the Engineer.

2' Min - 4' Max (See Note 5)



White Edgeline
Location

Outside Edge
of Gravel

POST EMBEDMENT DEPTH

Area of Sign	
Installation	D
(Sq.Ft.)	(Min)
20 or Less	4'
Greater than 20	5'

The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

PLOT BY : mscj9h

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rawh

For State Traffic Engineer

DATE 12/6/23 PLATE NO. _A4-3.23

Ε

PROJECT NO: HWY: COUNTY: SHEET NO:



NOTES: 1. ALL MATERIAL TO BE APPROVED

BY ENGINEER PRIOR TO INSTALLATION

- 2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
- 3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

HWY:



PLAN VIEW

COUNTY:

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN

PROJECT NO:

PLOT DATE: 27-JAN-2014 09:48

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 13.659812:1.000000

APPROVED

WISDOT/CADDS SHEET 42





2'Min - 4'Max (See Note 6)



	SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)					
	L	E				
***	Greater than 48" Less than 60"	12''				
	60" to 108"	L/5				

HWY:

SIGN SHAPE OTHER THAN	DIAMOND
(THREE POSTS REQUIR	RED)
L	Е
Greater than 108" to 144"	12''

GENERAL NOTES

- 1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
- 2. See tables below for required number of posts.
- 3. For expressways and freeways, mounting height is 7'-3" (±) 3" or 6'-3" (±) 3" depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. J-Assemblies are considered to be one sign for mounting height.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. Folding signs shall be mounted at a height of 5'-3'' (\pm) 3'' or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±) 3".
- * 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.
- ** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.
- $\times \times \times$ See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

	ı
Area of Sign	
Installation	D
(Sq. Ft.)	(Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch
For State Traffic Engineer

DATE 12/6/23

PLATE NO. <u>A4-4.16</u>

Ε

CHEET NO.

SHEET NO:

FILE NAME : C:\CAEfiles\Project\tr_stdplate\A44.dgn

PROJECT NO:

COUNTY:

PLOT DATE: 6-DEC 2023 11:31

PLOT NAME :

PLOT BY : mscj9h

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either:

- a. Hot dip galvanized in accordance with ASTM Designation: A 153. Class D. or SC 3
- b. Electro-galvanized in accordance with ASTM Designation: B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - $\frac{5}{16}$ " X 1-3/4" Length w/ lock nuts

WOOD POSTS $(4'' \times 6'')$

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN) 3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN) 3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 3/32 " (6605-9-6) BULB-TITE. TRI-FOLD. ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X $\frac{3}{8}$ " I.D. X $\frac{1}{16}$ " STEEL 1-1/4" O.D. X $\frac{3}{8}$ " I.D. X .080 NYLON

Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq.ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther

≠or State Traffic Engineer

SHEET NO:

DATE 4/1/2020

PLATE NO. <u>A4-8.9</u>

PLOT DATE: 01-APRIL-2020

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A48.DGN

PROJECT NO:



PROJECT NO: HWY: COUNTY: SHEET NO: FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE: 05-FEB-2015 17:09 PLOT BY: mscsja PLOT NAME : PLOT SCALE: 13.659812:1.000000

DATE 2/05/15

PLATE NO. <u>A4-9.9</u>

For State Traffic Engineer



BANDING



SINGLE SIGN





WASHER PLACEMENT



HWY:

WASHERS (ALL POSTS) -

1-1/4" O.D. X³/₈" I.D. X¹/₁₆" STEEL 1-1/4" O.D. $\times \frac{3}{8}$ " I.D. \times .080 NYLON FOR ALL TYPE H SIGNS

CHANNEL

GENERAL NOTES

- 1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
- 2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
- 3. Banding and assembly bracket shall be stainless steel. All bands shall be $\frac{3}{4}$ " in width and 0.025" thickness.
- 4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
 - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
 - b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



STANDARD SIGN SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

DATE 6/10/19

PLATE NO. A5-9.4

Ε

State Traffic Engineer

COUNTY:

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

PROJECT NO:

VIEW FROM TOP

GENERAL NOTES

- 1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WISDOT STANDARD SPECIFICATIONS
- 2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, $\frac{3}{4}$ " WIDTH AND 0.025" THICKNESS
- 3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS.

 SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
- 4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
- 5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
 - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
 - b. Electro-galvanized in accordance with ASTM Designation: B 633, TYPE III, SC 3
- 6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
- 7. STEEL WASHERS SHALL BE $1^{1}/_{4}$ " O.D. X $3/_{8}$ " I.D. X $1/_{16}$ "
- 8. NYLON WASHERS SHALL BE $1^{1}/_{4}$ " O.D. X $3/_{8}$ " I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

 \rightarrow LAG BOLTS SHALL BE $\frac{3}{8}$ " X $\frac{2}{2}$ "

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

Manher R

APPROVED

DATE 4/19/2022 PLATE NO. A5-10.3

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A510.dgn

PROJECT NO:

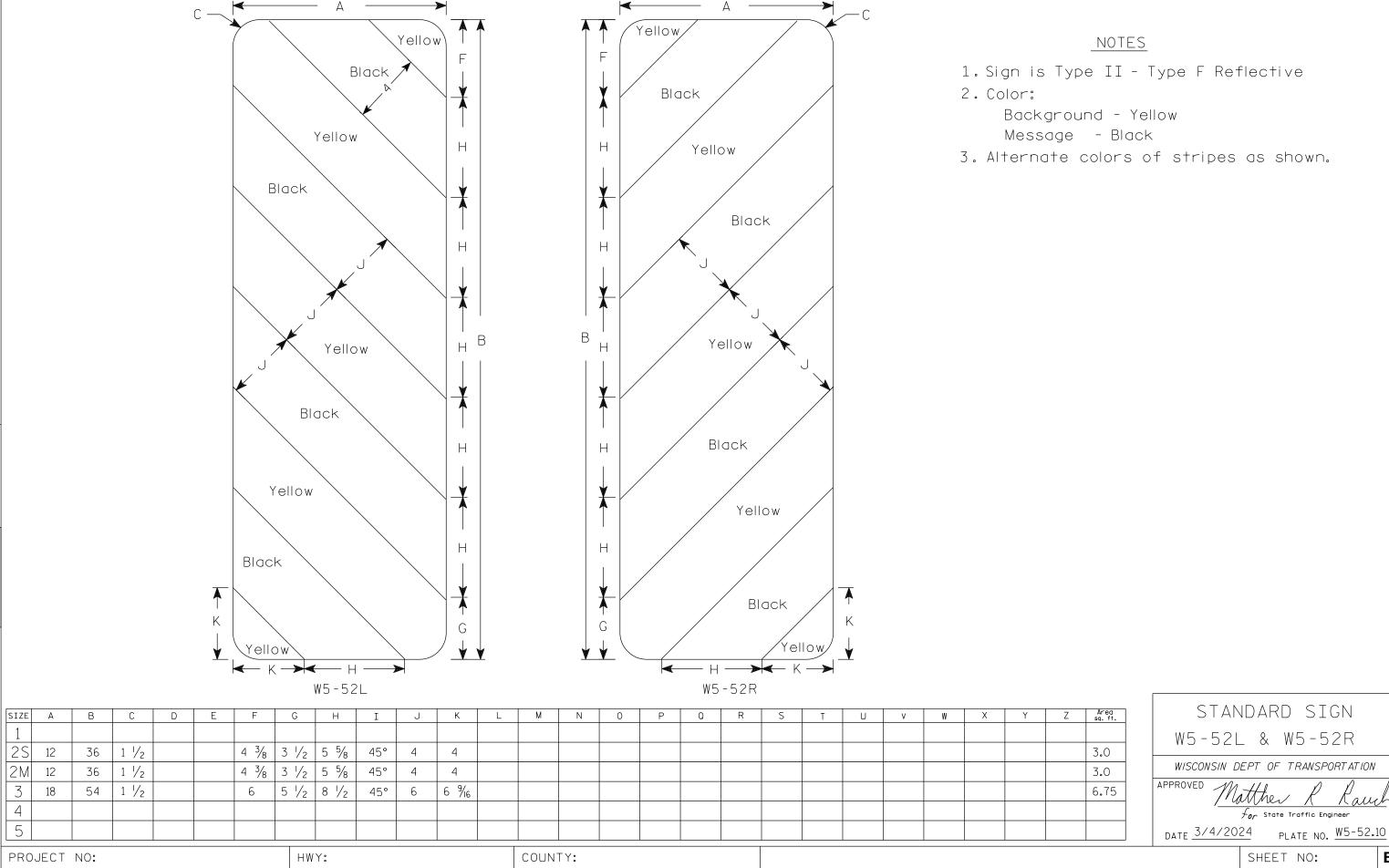
PLOT DATE: 19-APRIL 2022 11:55

SIGN

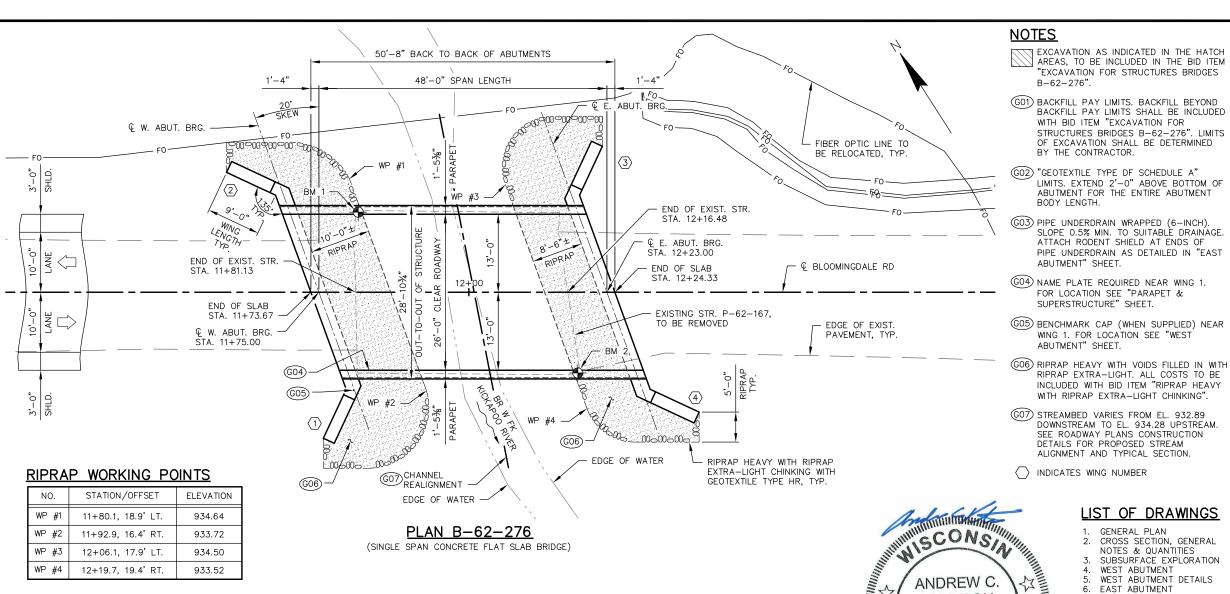
PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε



PLOT DATE: 4-MARCH 2024 11:57 PLOT NAME : PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42 PLOT BY : dotc4c





€ E. ABUT. BRG.

BOT. OF E. ABUT.

TYP. AT ABUTMENTS

EL. 934.45

PROFILE GRADE LINE,

€ BLOOMINGDALE RD

HIGH WATER₁₀₀

-(G06)

8'-6"± RIPRAP

EL. 941.17

BERM EL.

XAM

EL. VARIES

LIST OF DRAWINGS

RESERVATION AS INDICATED IN THE HATCH

WITH BID ITEM "EXCAVATION FOR

BY THE CONTRACTOR

ARUTMENT" SHEET

ABUTMENT" SHEET.

B-62-276"

AREAS, TO BE INCLUDED IN THE BID ITEM "EXCAVATION FOR STRUCTURES BRIDGES

STRUCTURES BRIDGES B-62-276". LIMITS

LIMITS. EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT FOR THE ENTIRE ABUTMENT

PIPE UNDERDRAIN AS DETAILED IN "EAST

FOR LOCATION SEE "PARAPET & SUPERSTRUCTURE" SHEET.

WING 1. FOR LOCATION SEE "WEST

RIPRAP EXTRA-LIGHT. ALL COSTS TO BE

INCLUDED WITH BID ITEM "RIPRAP HEAVY

DOWNSTREAM TO EL. 934.28 UPSTREAM. SEE ROADWAY PLANS CONSTRUCTION

DETAILS FOR PROPOSED STREAM ALIGNMENT AND TYPICAL SECTION.

WITH RIPRAP EXTRA-LIGHT CHINKING".

OF EXCAVATION SHALL BE DETERMINED

- GENERAL PLAN CROSS SECTION, GENERAL NOTES & QUANTITIES
- SUBSURFACE EXPLORATION
- WEST ABUTMENT
- WEST ABUTMENT DETAILS
- EAST ABUTMENT EAST ABUTMENT DETAILS
- SUPERSTRUCTURE
- SUPERSTRUCTURE DETAILS

BACKFILL TYPE A

ABUTMENT BACKFILL DETAIL

(TYPICAL AT BOTH ABUTMENTS)

10. PARAPET & SUPERSTRUCTURE

STATE PROJECT NUMBER

5377-00-70

DESIGN DATA

LIVE LOAD:

DESIGN LOADING -HL-93 INVENTORY RATING FACTOR -OPERATING RATING FACTOR — WISCONSIN STANDARD PERMIT - RF=1.46 VEHICLE RATING (WIS.-SPV): - 250 KIPS

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY, SLAB — f'c = 4,000 P.S.I. ALL OTHER — f'c = 3,500 P.S.I. HIGH-STRENGTH BAR STEEL REINFORCEMENT fy = 60,000 P.S.I.

FOUNDATION DATA:

ABUTMENTS TO BE SUPPORTED ON HP 10 X 42 STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 170 TONS PER PILE** AT W. ABUT. AND 170 TONS PER PILE** AT E. ABUT. AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 35 FT PILE LENGTHS AT W. ABUT. AND 35 FT PILE LENGTHS AT E. ABUT.

**THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES DYNAMIC FORMULA TO DETERMINE DRIVEN PILE CAPACITY.

HYDRAULIC DATA:

Λ	1.050 C.F.S.
Q ₁₀₀ (THRU BRIDGE) ——	1,050 C.F.S.
Q ₁₀₀ (ROAD) —	N/A
DRAINAGE AREA	
BRIDGE WATER AREA	
BRIDGE VELOCITY	
HIGH WATER 100 EL.	941.17 FT.
SCOUR CRITICAL CODE	- 5
Q ₂ —	151 C.F.S.
Q ₂ ELEVATION —	937.20 FT.
Q2 VELOCITY -	

TRAFFIC DATA:

BLOOMINGDALE ROAD	
A.A.D.T. (2025)	220
A.A.D.T. (2045) ———	252
DESIGN SPEED	30 M.P

BRIDGE OFFICE CONTACT AARON BONK, P.F. (608) 261-0261

CONSULTANT CONTACT ANDY KNUTSON, P.E., S.E. (608) 588-7866



COUNTY	ON	TOWN/CITY/WILLAGE					
DESIGN SPEC. AASHTO LRFD DESIGN SPEC.							
DESIGNED JDO DESIGN CDS DRAWN JDO PLANS CK'D. ACK							

STRUCTURE B-62-276

GENERAL PLAN

BLOOMINGDALE RD OVER BR W FK KICKAPOO RIVER SHEET 1 OF 10

BRIDGE STRUCTURE SUBGRADE - HP 10 X 42 STEEL PILING, (G03) (G01) STRUCTURE

GEOTEXTILE TYPE HR, TYP. ELEVATION (THRU BR W FK KICKAPOO RIVER, LOOKING NORTH)

RIPRAP HEAVY WITH RIPRAP

EXTRA-LIGHT CHINKING WITH

SINGLE SLOPE

42SS PARAPET

PROPOSED

STREAMBED

EXISTING

VARIES

STREAMBED

VARIFS

GROUND LINE

OBSERVED WATER

EL. 933.60

(6-29-2023)

BENCH MARKS +

935

9.30

G01

NO.	STATION/OFFSET	DESCRIPTION	ELEVATION
BM 1	11+81.57, 13.34' LT.	BOLT ON NORTHWEST HEADER	943.12
BM 2	12+18.16, 13.46' RT.	BOLT ON SOUTHEAST HEADER	943.30

TYP.

€ W. ABUT. BRG. —

(G03)

(G02)-

ROT. OF W. ABUT

FL 935.75

2'-6"

BERM, TYP.

BERM EL. 938.25

MAX.

10'-0"± RIPRAP

(G06)-

HORIZONTAL DATUM AND ADJUSTMENT: NAD 83 (2011) VERTICAL DATUM AND ADJUSTMENT: NAVD 88 (2012) COORDINATE REFERENCE SYSTEM: WISCRS, VERNON CO.

5377-00-70

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE 34" UNLESS OTHERWISE

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH RIPRAP HEAVY WITH RIPRAP EXTRA—LIGHT CHINKING AND GEOTEXTILE TYPE HR TO THE EXTENT SHOWN ON THE "GENERAL PLAN" SHEET AND THE ABUTMENT SHEETS.

THE BACKFILL QUANTITIES ARE BASED ON THE PAY LIMITS SHOWN ON THE PLANS AND MAY NOT REFLECT ACTUAL PLACED QUANTITIES. "BACKFILL STRUCTURE TYPE A" REQUIRED DIRECTLY BEHIND ABUTMENTS AND ABUTMENT WING FOR 3 FEET. BACKFILL PLACED BEYOND PAY LIMITS OR EXCEEDING PLAN QUANTITIES SHALL BE INCLUDED WITH "EXCAVATION FOR STRUCTURES BRIDGES B-62-276".

EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-62-276" SHALL BE THE EXISTING GROUND LINE.

AT ABUTMENTS, CONCRETE POURED UNDER WATER WILL BE ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH SECTION 502.3.5.3 OF THE STANDARD SPECIFICATIONS.

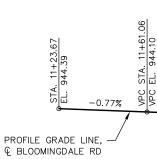
SLAB FALSEWORK SHALL BE SUPPORTED ON PILES OR THE SUBSTRUCTURE, UNLESS AN ALTERNATE METHOD IS APPROVED BY THE ENGINEER.

AT THE BACKFACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A.

DO NOT PLACE FILL ABOVE 3'-0" FROM BOTTOM OF ABUTMENT UNTIL SUPERSTRUCTURE IS IN PLACE.

THE EXISTING STRUCTURE (P-62-167) IS A SINGLE SPAN STEEL GIRDER BRIDGE WITH A CONCRETE DECK AND WITH AN OVERALL LENGTH OF 35.4-FT AND A DECK WIDTH OF 27.5-FT AND IS TO BE REMOVED PER BID ITEM "REMOVING STRUCTURE OVER WATERWAY MINIMAL DEBRIS P-62-167".

TOP OF PAVEMENT В 3'-0" SECTION A-A **ELEVATION** 3'-0" SECTION B-B PLAN



TOTAL ESTIMATED QUANTITIES

SURFACE OF SLAB BETWEEN THE PARAPETS.

1'-5%"

LEVE

SINGLE SLOPE

为" FILLER

42SS PARAPET

RIPRAP HEAVY WITH RIPRAP

EXTRA-LIGHT CHINKING WITH

AT ABUTMENT (PILING NOT SHOWN FOR CLARITY)

(GOB) COAT WITH "PROTECTIVE SURFACE TREATMENT" AS PER THE STANDARD SPECIFICATIONS. PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE TOP

(GO9) 34" V-GROOVE REQ'D. EXTEND V-GROOVE TO 6" FROM FRONT FACE OF ABUTMENT.

GEOTEXTILE TYPE HR, TYP.

PARAPE1

2%"

OVERHANG,

TYP.

TOP OF

NOTES

8

WING

ITEM NO.	BID ITEMS	UNIT	W. ABUT.	E. ABUT.	SUPER.	TOTALS
203.0260	REMOVING STRUCTURE OVER WATERWAY MINIMAL DEBRIS P-62-167	EACH				1
206.1001	EXCAVATION FOR STRUCTURES BRIDGES B-62-276	EACH				1
210.1500	BACKFILL STRUCTURE TYPE A	TON	160	160		320
502.0100	CONCRETE MASONRY BRIDGES	CY	28.2	28.5	129.8	187
502.3200	PROTECTIVE SURFACE TREATMENT	SY			147	147
502.3210	PIGMENTED SURFACE SEALER	SY			50	50
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	2260	2390		4650
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	1430	1440	27160	30030
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	7	7		14
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF	245	245		490
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	80	80		160
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	31	31		62
645.0120	GEOTEXTILE TYPE HR	SY	105	99		204
SPV.0035.01	RIPRAP HEAVY WITH RIPRAP EXTRA-LIGHT CHINKING		65	60		125
(NON-BID ITEM)	FILLER	SIZE				1/2" & 3/4"

28'-1034" OUT TO OUT OF STRUCTURE

26'-0" CLEAR ROADWAY WIDTH

€ BLOOMINGDALE RD -

∽ 4"x¾" FILLER

BOT. OF E. ABUT. EL. 934.45

CROSS SECTION THRU ROADWAY

(LOOKING EAST)

W. ABUT. BERM EL. 938.25 ABUT. BERM EL. 936.95

2.00%

13'-0"

CROWN POINT & POINT REFERRED TO ON PROFILE GRADE LINE,

€ BLOOMINGDALE RD

2.00%

APPLY PIGMENTED SURFACE SEALER TO

INSIDE AND TOP FACES OF PARAPET

ACROSS THE LENGTH OF THE BRIDGE.

2'-1" SLAB DEPTH

TYPICAL FOR EACH PARAPET.

IN SPAN

(G08)

ABUTMENT BACKFILL DIAGRAM

= ABUTMENT BODY LENGTH AT BACKFACE (FT)

= AVERAGE ABUTMENT FILL HEIGHT (FT)

= WING 1 HEIGHT AT TIP (FT H2 = WING 2 HEIGHT AT TIP (FT)

= WING LENGTH (FT)

1'-5%"

PARAPET

· (609)

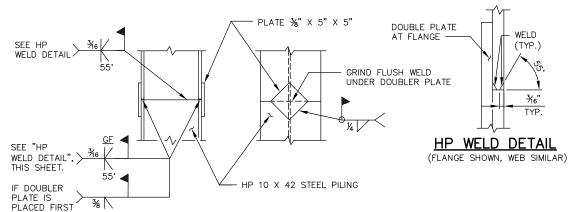
EF = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)

 $V_{CF} = (L)(3.0')(H) + (L)(0.5)(1.5H)(H) + (3')(0.5)(H1+H2+H+H)(W)$

 $V_{CY} = V_{CF}(EF)/27$

 $V_{TON} = V_{CY}(2.0)$

PROFILE GRADE LINE, BLOOMINGDALE RD

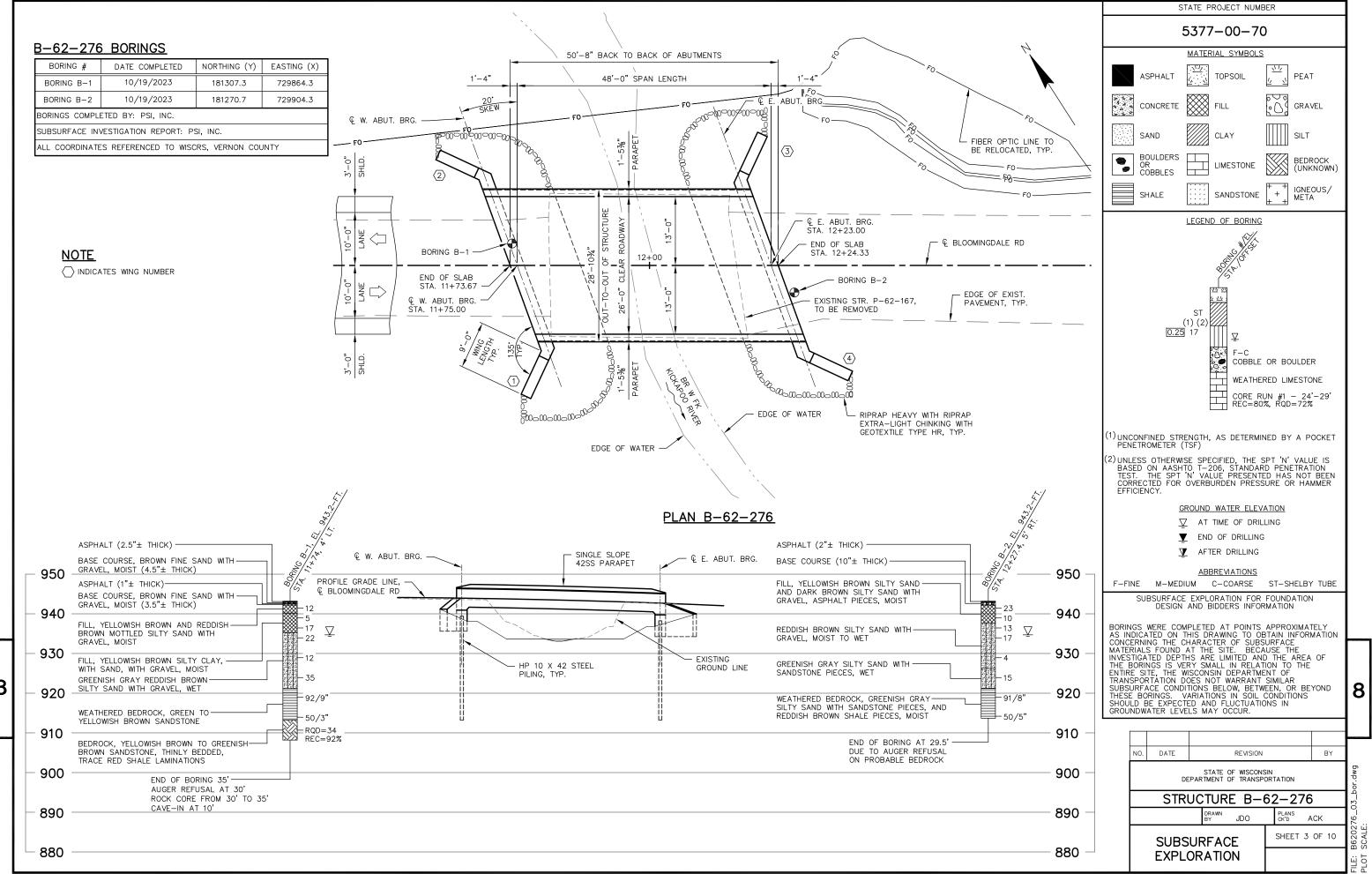


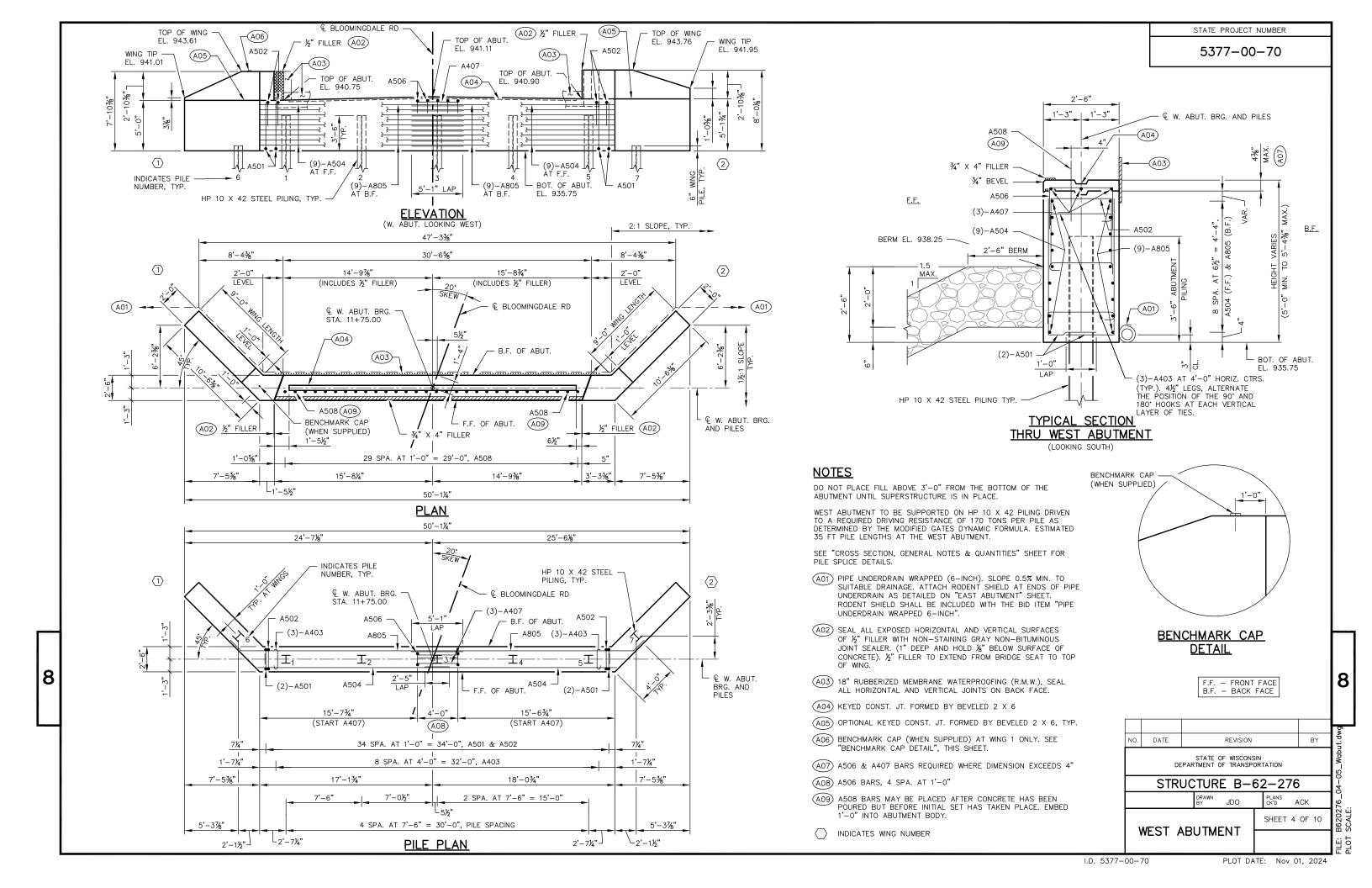
PILE SPLICE DETAILS

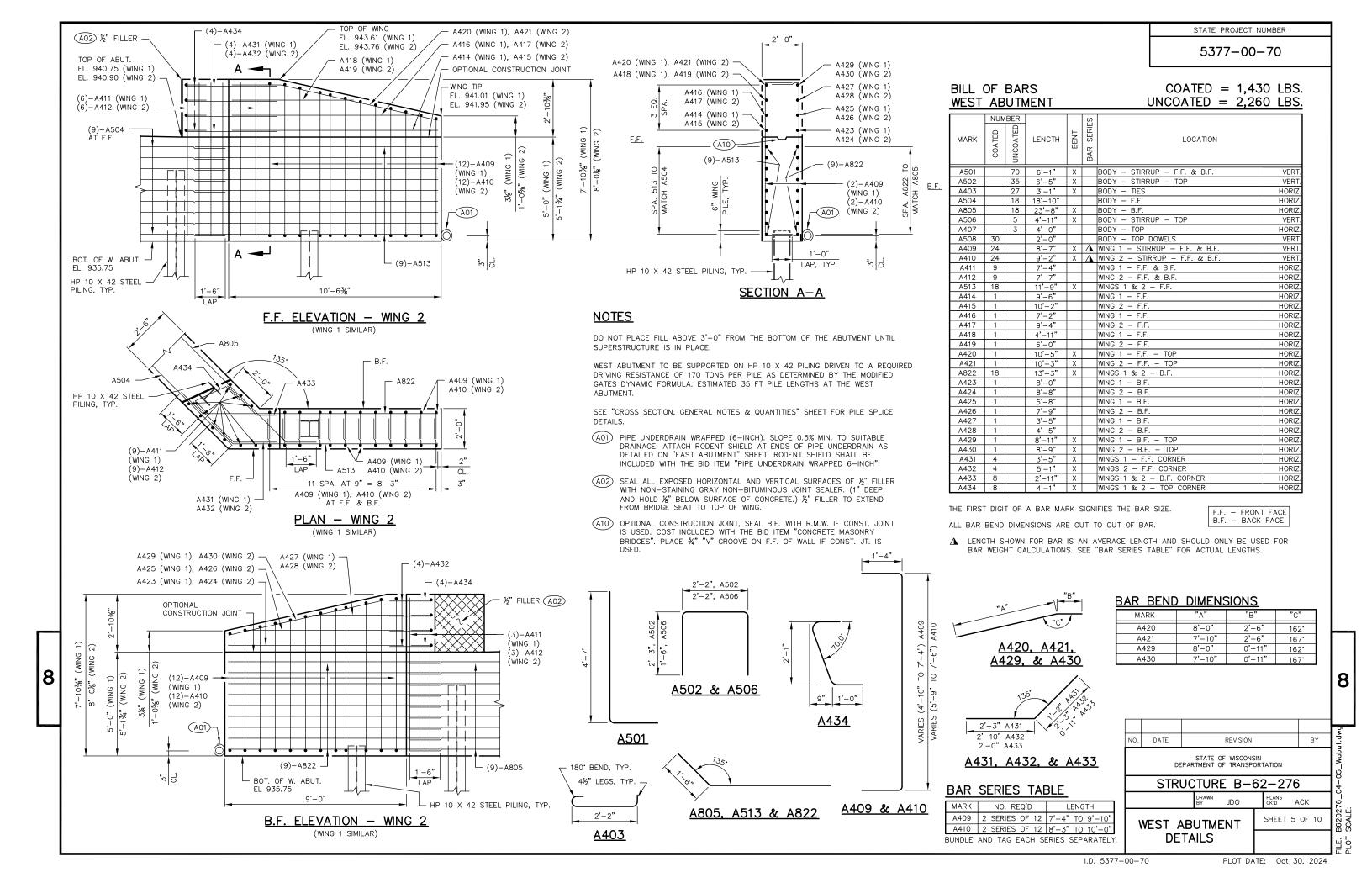
DATE BY REVISION STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURE B-62-276 PLANS CK'D ACK CROSS SECTION, SHEET 2 OF 10 GENERAL NOTES & **QUANTITIES**

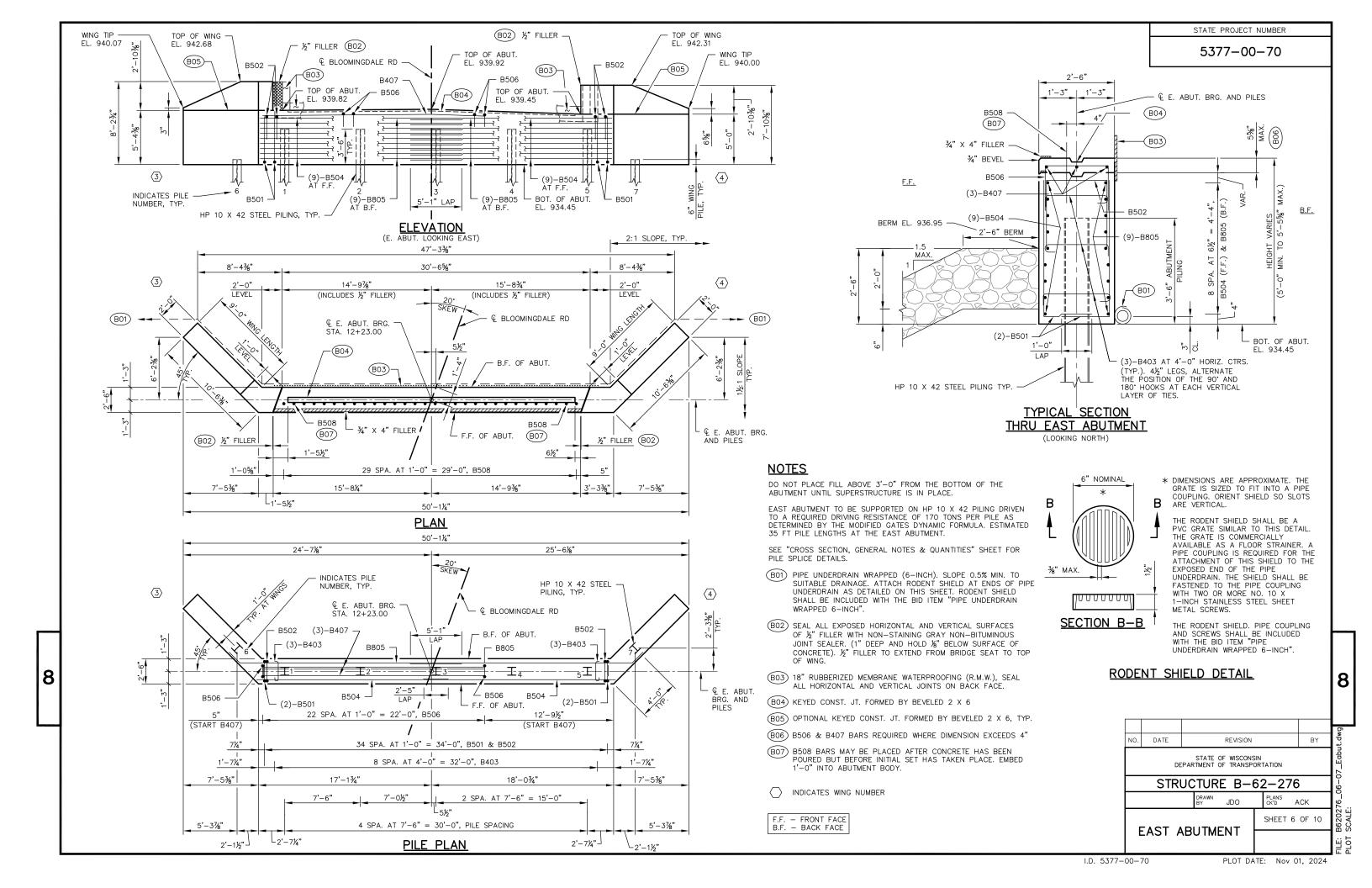
VPT STA. 12+56.65 VPT EL. 941.30

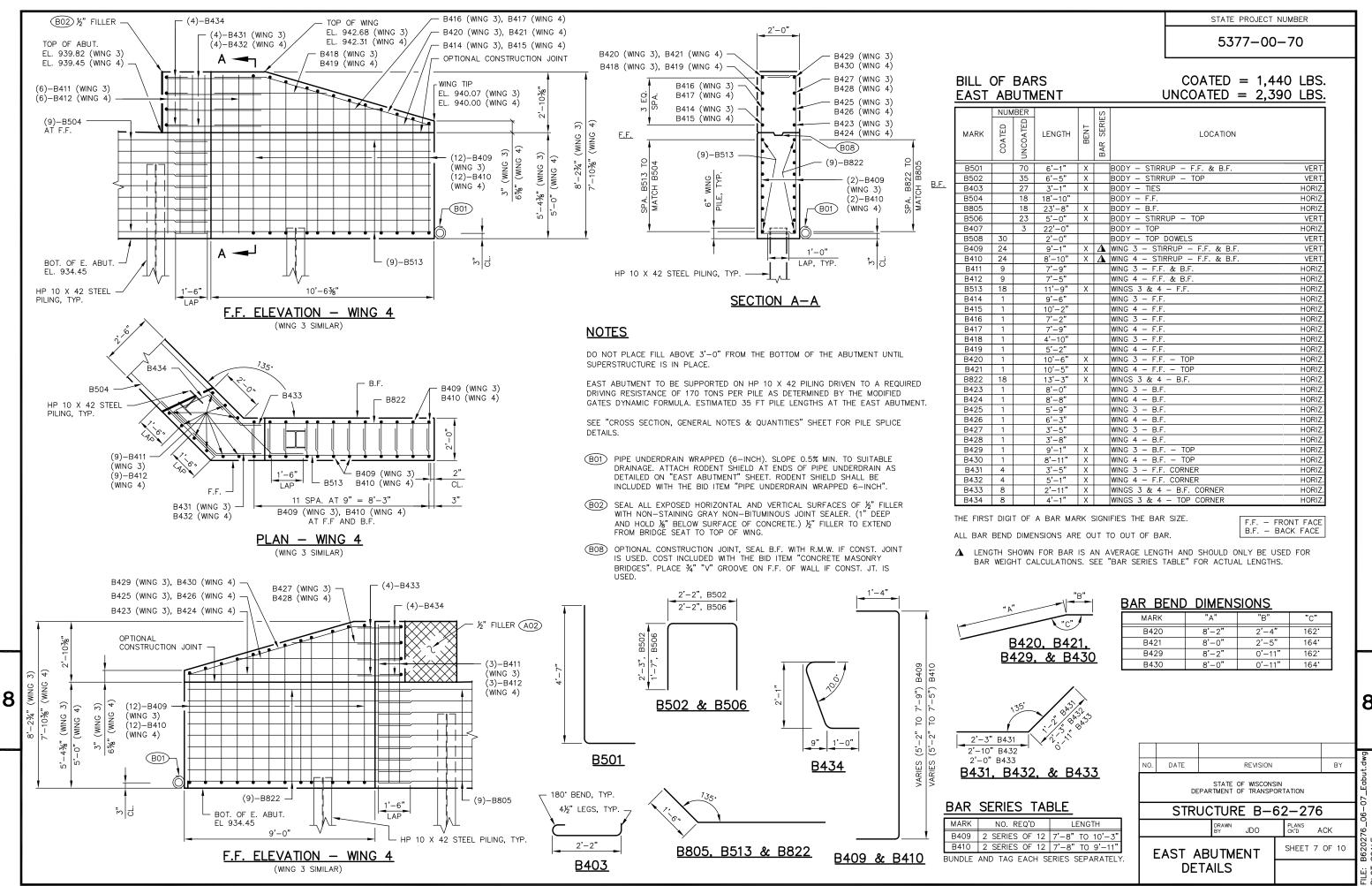
. 12+74.33 940.40



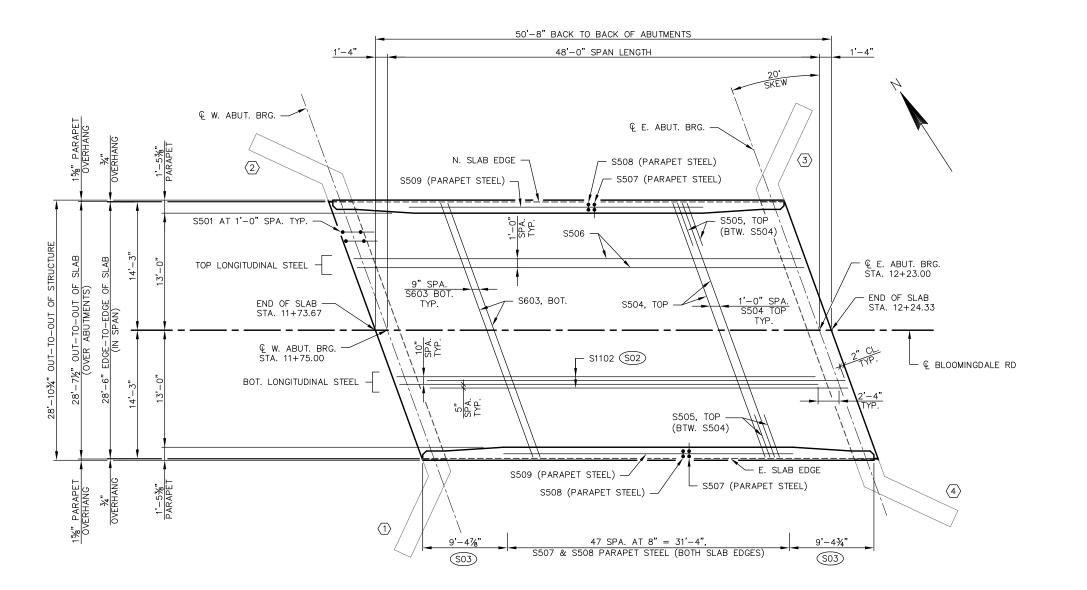






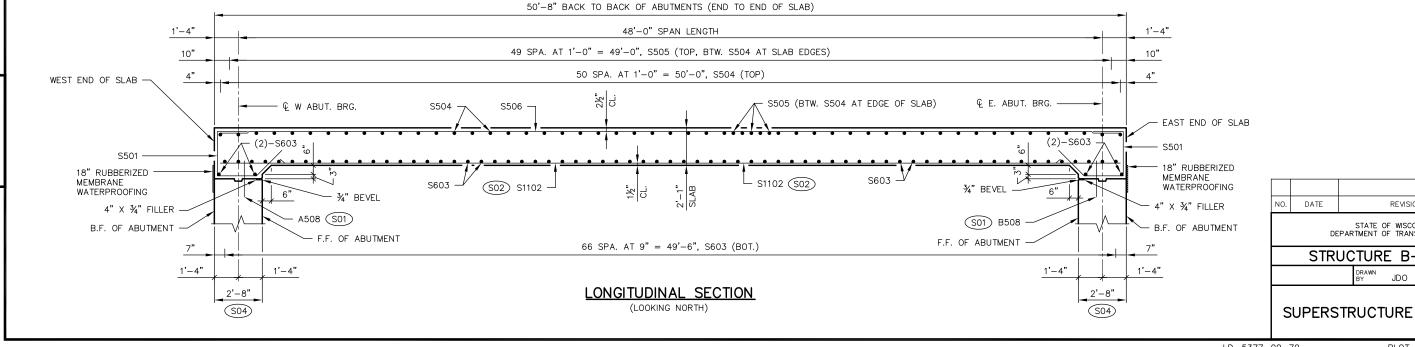


STATE PROJECT NUMBER 5377-00-70 **NOTES** TOP TRANSVERSE BARS IN SLAB SHALL BE SUPPORTED BY INDIVIDUAL BAR CHAIRS AT APPROXIMATELY 3'-0" CENTERS BOTTOM LONGITUDINAL BARS SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS AT APPROXIMATELY 4'-0" CENTERS. ALL SLAB THICKNESS DIMENSIONS ARE MINIMUM. ANY PARAPETS TO BE CAST ON THE SLAB AFTER FALSEWORK HAS BEEN RELEASED. SO1) SEE "EAST ABUTMENT" SHEET & "WEST ABUTMENT" SHEET FOR PLACEMENT OF A508 AND B508 BARS. (\$02) EXTEND ONE END OF THE \$1102 BAR TO 2" CLEAR OF ONE BACK FACE OF ABUTMENT. ALTERNATE BETWEEN EAST AND WEST ABUTMENTS ACROSS ENTIRE SLAB. (\$03) PARAPET STEEL IN TRANSITION ZONE. SEE DETAILS ON "PARAPET & SUPERSTRUCTURE" SHEET. \$04 DIMENSION IS TAKEN PARALLEL TO € BLOOMINGDALE RD. F.F. – FRONT FACE B.F. – BACK FACE



EACH WAY.

TOLERANCES NECESSARY TO CORRECT CONSTRUCTION DISCREPANCIES ARE TO BE PLUS (+).



DATE

PLANS CK'D ACK

SHEET 8 OF 10

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

STRUCTURE B-62-276

BY

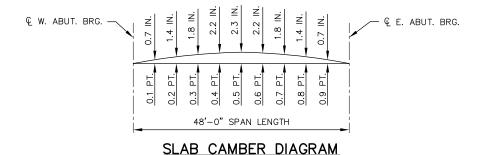
28'-10¾" OUT-TO-OUT OF STRUCTURE 1'-5%" 1'-5%" 26'-0" CLEAR ROADWAY WIDTH PARAPET PARAPET 2%" TOTAL PARAPET 2¾" TOTAL PARAPET 28'-6" EDGE TO EDGE OF SLAB OVERHANG OVERHANG 28 SPA. AT 1'-0" = 28'-0", TOP STEEL S506 1'-3" 13'-0" 13'-0" LEVEL LEVEL CROWN POINT & POINT REFERRED TO ON S508 S508 € BLOOMINGDALE RD. PROFILE GRADE LINE, € BLOOMINGDALE RD (8) - S509(8) - S509- S507 S507 S506 · - S504 S506 2.00% 2.00% SLAB EDGE AT ABUT., TYP -¾" OVERHANG 34" OVERHANG S505 AT 1'-0" S505 AT 1'-0" (BTW. S504) (BTW. S504) CL. CL. N. SLAB EDGE -— S. SLAB EDGE - S603 S04) V-GROOVE, TYP. ∠ _{S1102} (2) - S603(\$04 28 SPA. AT 1'-0" = 28'-0", S501 (ABUTMENTS) 67 SPA. AT 5" = 27'-11", BOT. STEEL S1102 3½" AT ABUTMENTS CROSS SECTION THRU ROADWAY IN SPAN

(LOOKING EAST)

SURVEY TOP OF SLAB ELEVATIONS

	€ W. ABUT. BRG.	5/10 PT.	€ E. ABUT. BRG.
NORTH SLAB EDGE			
€ BLOOMINGDALE RD.			
SOUTH SLAB EDGE			

PRIOR TO RELEASING SLAB FALSEWORK, TAKE TOP OF SLAB ELEVATIONS AT THE & OF ABUTMENTS AND AT 5/10 POINTS TO VERIFY CAMBER. TAKE ELEVATIONS ALONG EDGE OF SLAB AND REFERENCE LINE. RECORD THE ELEVATIONS IN THE ABOVE TABLE FOR THE "AS BUILT" PLANS.



TO DETERMINE FALSEWORK ELEVATION AT EDGE OF SLAB, CROWN OR REFERENCE LINE FOLLOW THIS PROCEDURE:

TOP OF SLAB ELEVATION AT FINAL GRADE SLAB THICKNESS

LESS CAMBER

FORM SETTLEMENT/DEFLECTION DUE TO PLACEMENT OF SLAB CONCRETE (TO BE COMPUTED BY THE CONTRACTOR)

EQUALS TOP OF SLAB FALSEWORK ELEVATION.

ТО	TOP OF SLAB ELEVATIONS								
SPAN PT	NORTH SLAB EDGE	© BLOOMINGDALE RD.	SOUTH SLAB EDGE						
€ W. ABUT.	943.76	943.95	943.61						
0.1	943.70	943.88	943.53						
0.2	943.63	943.80	943.44						
0.3	943.54	943.70	943.33						
0.4	943.45	943.60	943.22						
0.5	943.35	943.49	943.09						
0.6	943.24	943.36	942.96						
0.7	943.11	943.23	942.81						
0.8	942.98	943.08	942.65						
0.9	942.83	942.93	942.49						
€ E. ABUT.	942.68	942.76	942.31						

NOTES

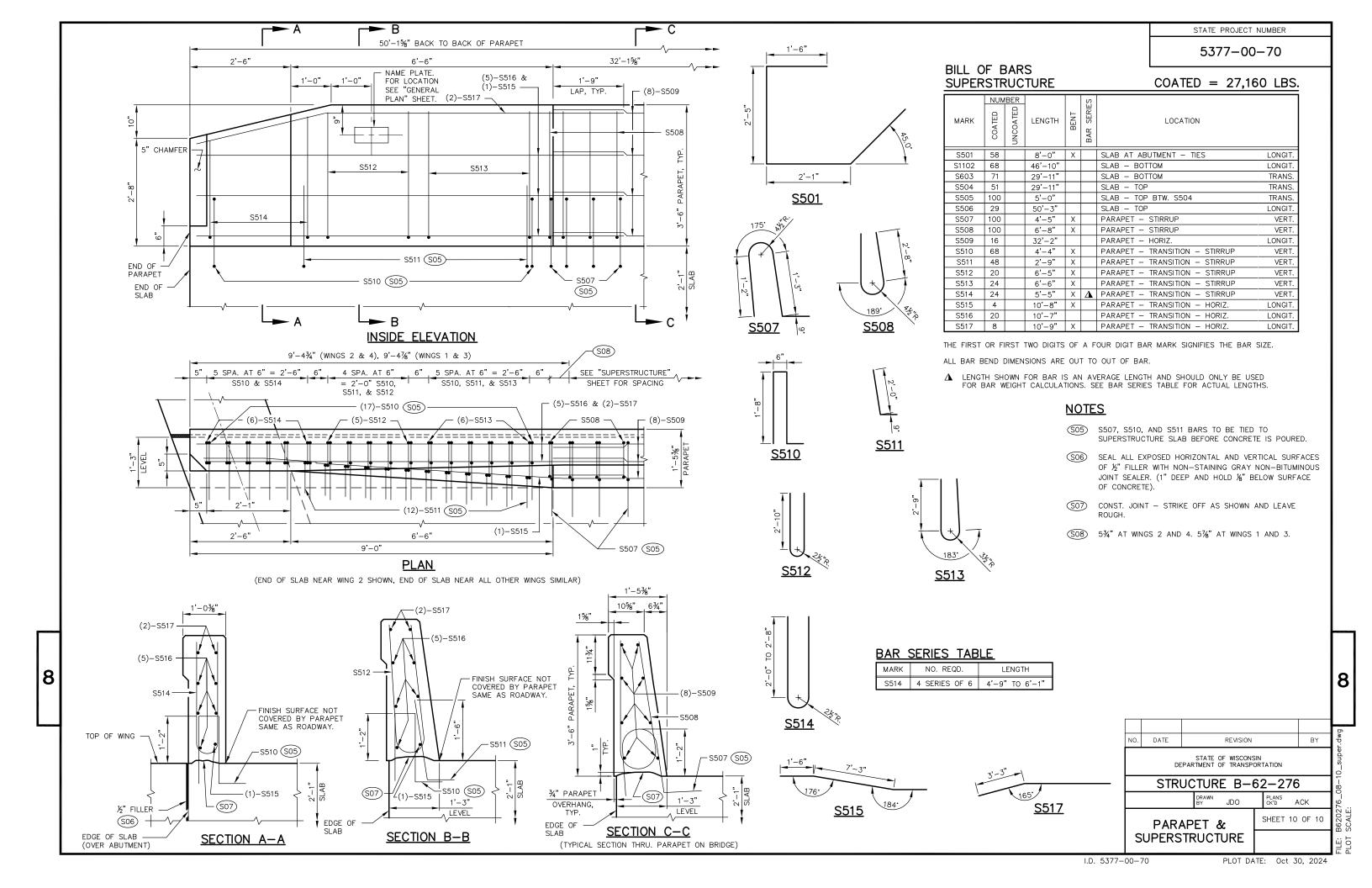
CAMBER SPAN AS SHOWN TO PROVIDE FOR DEAD LOAD DEFLECTION AND FUTURE CREEP. CAMBER DOES NOT INCLUDE ALLOWANCE FOR FORM SETTLEMENT.

34" V-GROOVE. EXTEND V-GROOVE TO 6" FROM FRONT FACE OF ABUTMENT BODY. V-GROOVES ARE REQUIRED.

								ō,
١٥.	DATE			REVISION			BY	ą.
	DE	PAR		OF WISCONS OF TRANSP		ΓΑΤΙΟΝ		08-10_super.dwg
	STRI	JC	TUR	E B-	67	7-276	;	8-1
			DRAWN BY	JDO		PLANS CK'D A	\CK]]]]
S	UPERS	TR	RUCT	URE		SHEET 9	OF 10	B620276_ SCALE:
	DE	TΑ	ILS					FILE: F
0-7	70			PLOT DA	TF	: Oct 3	0. 2024	

STATE PROJECT NUMBER

5377-00-70

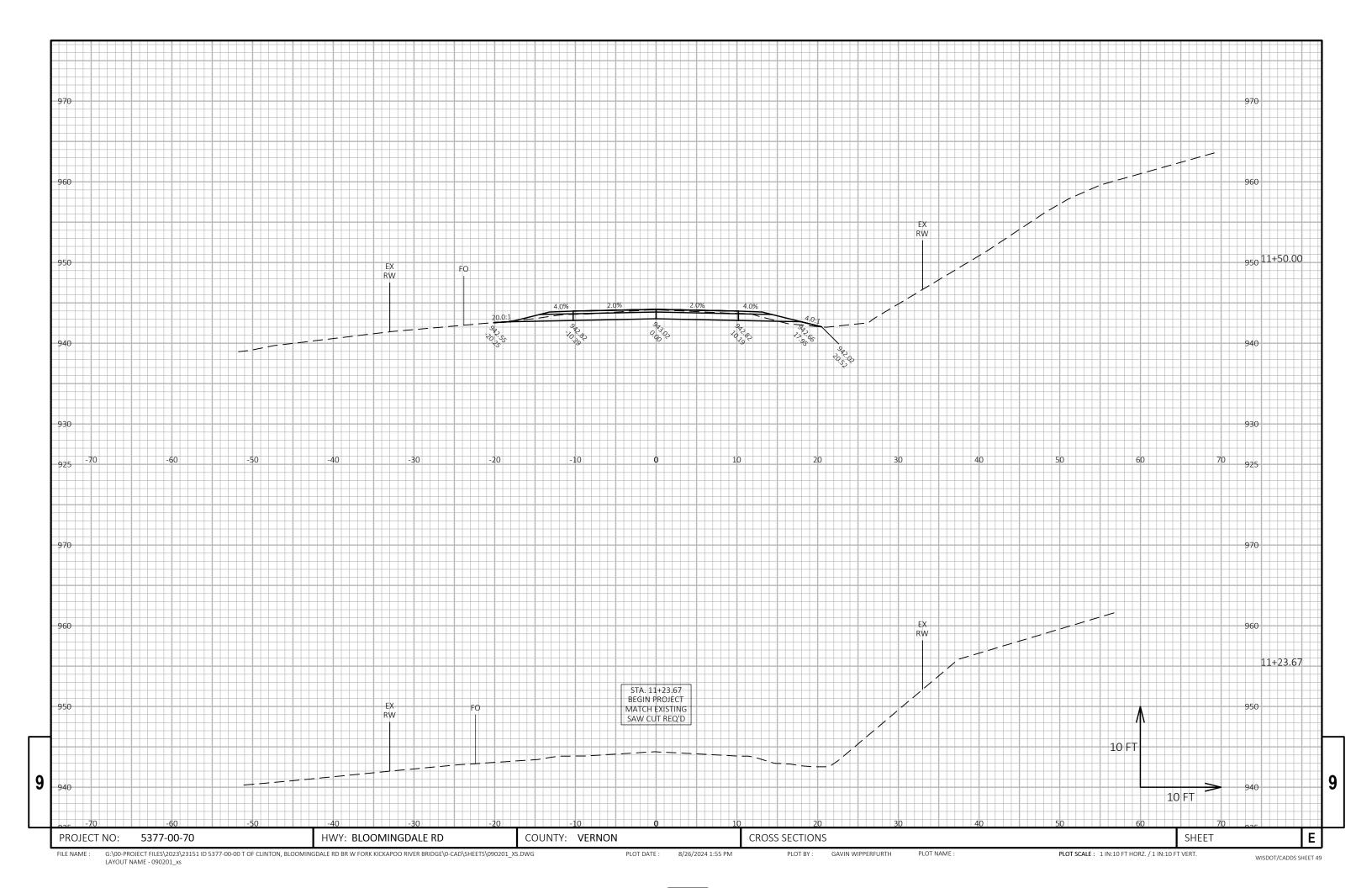


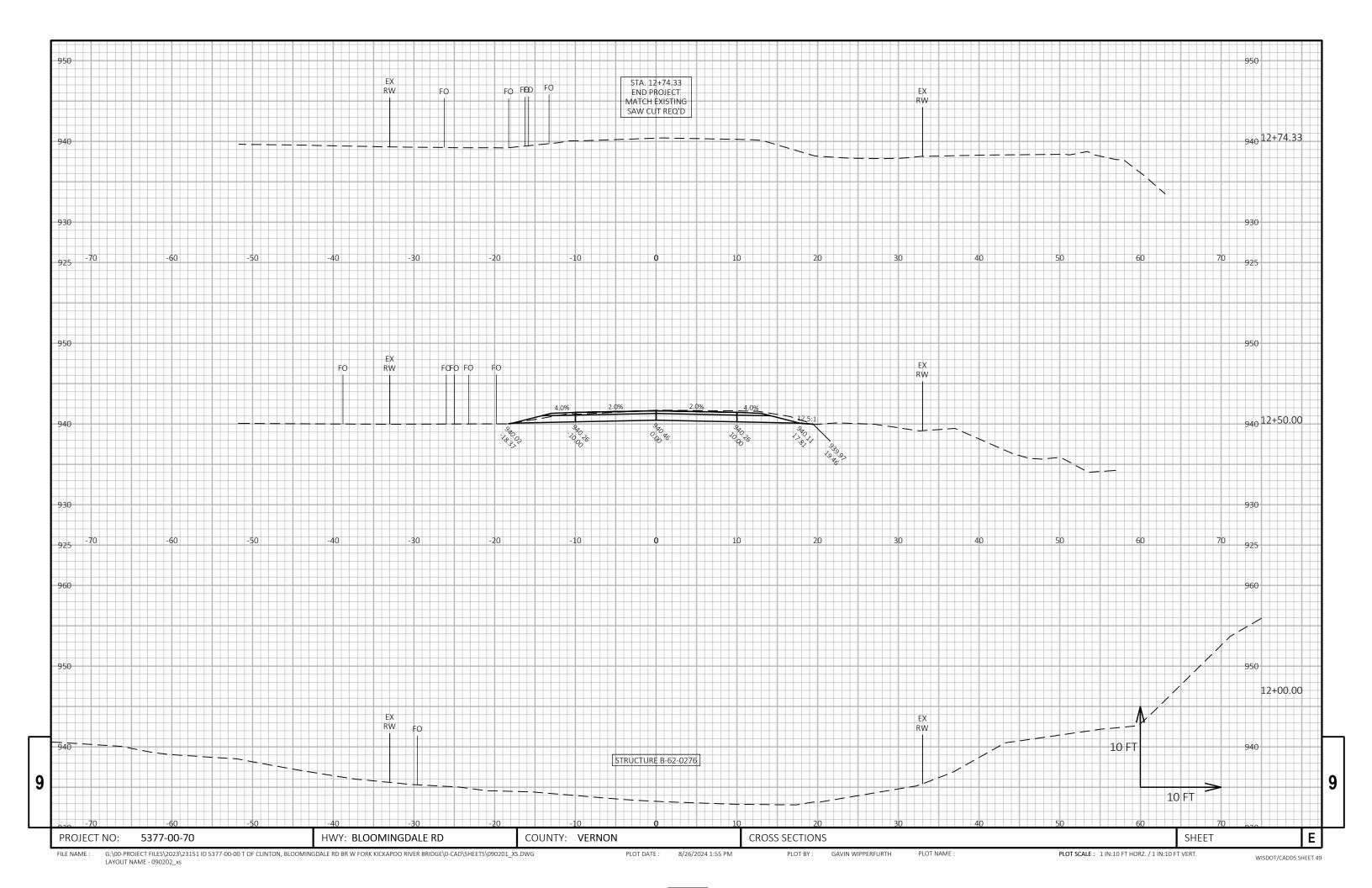
STATION DIS		AREA (SF)				MENTAL VOL (CY) (UNAD.		CUMULATIVE VOL (CY)		
	DISTANCE		CALVA CED /UNU CADLE		CUT	SALVAGED/UNUSABLE	FILL	CUT	EXPANDED FILL	MASS
	DISTANCE	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	1 (111	PAVEMENT MATERIAL	FILL	1.00	1.25	ORDINATE
			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		NOTE 1 NOTE 2 NO		NOTE 3	NOTE 1		NOTE 4
11+23.67	0.00	27.79	3.12	0.26	0	0	0	0	0	0
11+50.00	26.33	25.90	3.01	1.25	26	3	1	26	1	22
11+59.63	9.63	25.01	3.02	2.95	9	1	1	35	3	29
11+75.75	16.12	6.39	0.65	9.63	9	1	4	44	8	32
STRUCTURE B-62-0276										
DIVISION 1 TOTAL					44	5	6			

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE	FILL	CUT	EXPANDED FILL	MASS
						PAVEMENT MATERIAL		1.00	1.25	ORDINATE
					NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 4
STRUCTURE B-62-0276										
12+22.25	0.00	9.55	0.70	2.32	0	0	0	0	0	0
12+38.37	16.12	36.07	3.32	0.92	14	1	1	14	1	12
12+50.00	11.63	37.13	3.33	0.01	16	1	0	30	1	27
12+74.33	24.33	35.08	3.39	0.52	33	3	0	63	1	57
			DIVISION 2 TOTAL		63	5	1			
			PROJECT TOTAL		107	10	7			

NOTES:		
1 - CUT		CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE	PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL		DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE		[(CUT) - (FILL*FILL FACTOR) - SALVAGED/UNUSABLE PAVEMENT MATERIAL)]
		PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

HWY: BLOOMINGDALE RD SHEET Ε PROJECT NO: 5377-00-70 COUNTY: VERNON EARTHWORK DATA





Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

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